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JUNE 4, 1949

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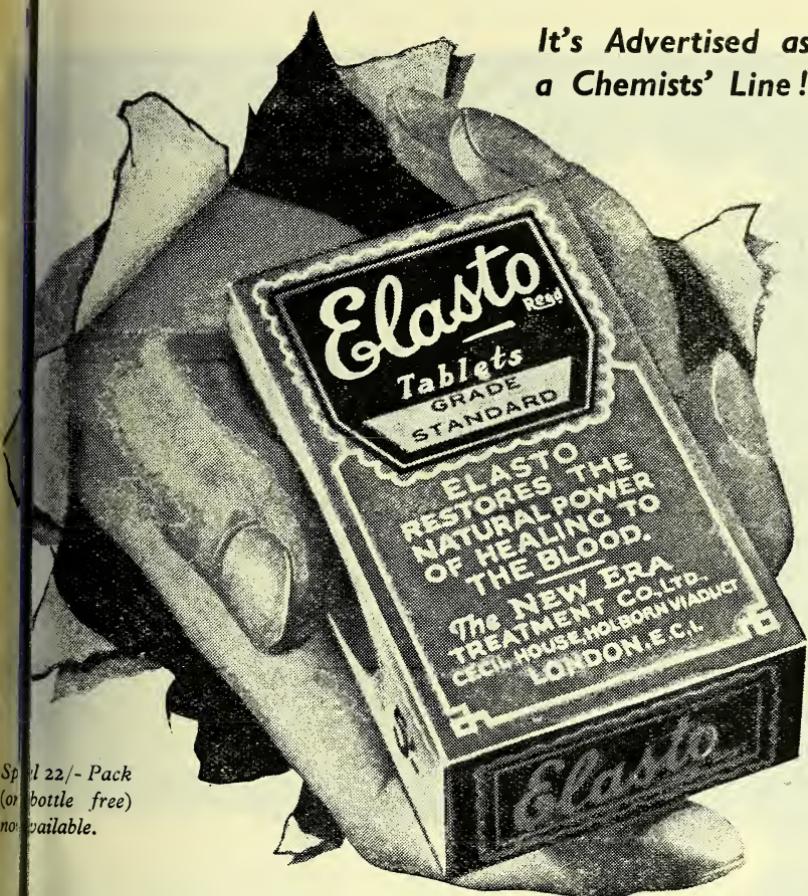
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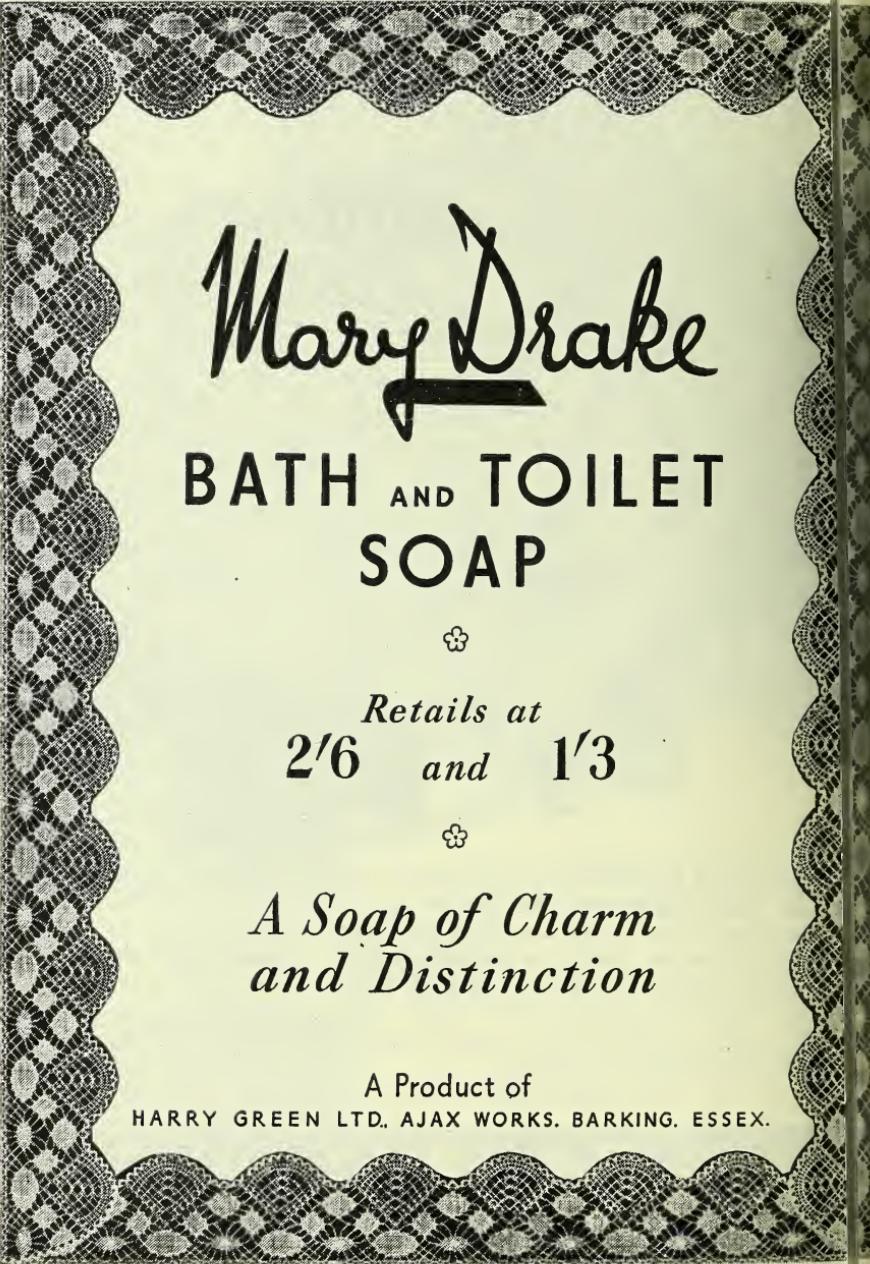


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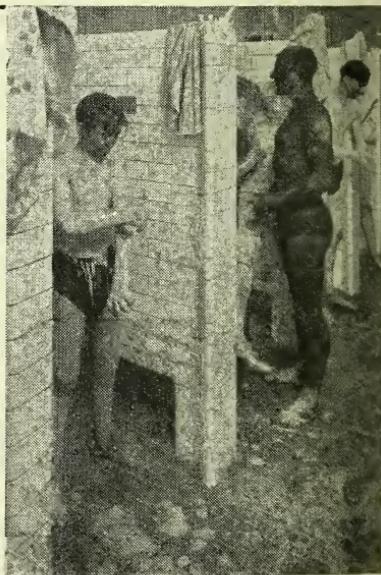
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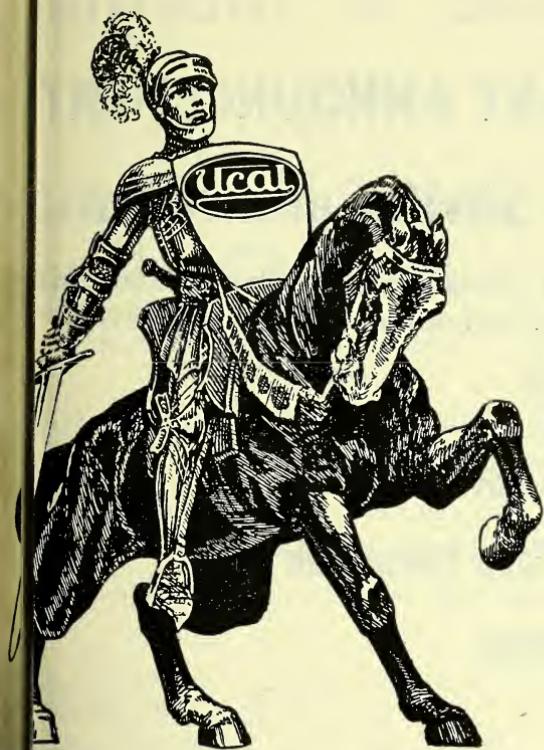
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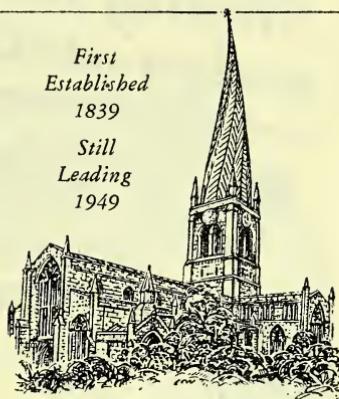
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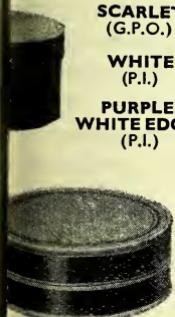
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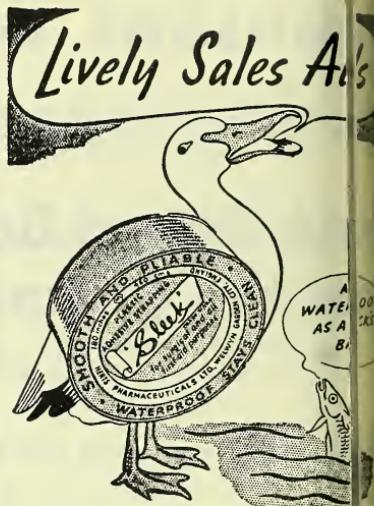
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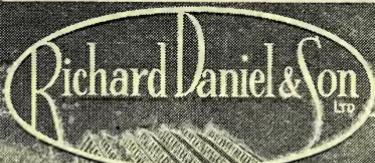


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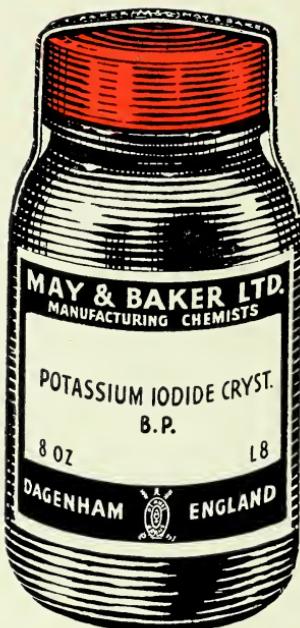
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T7



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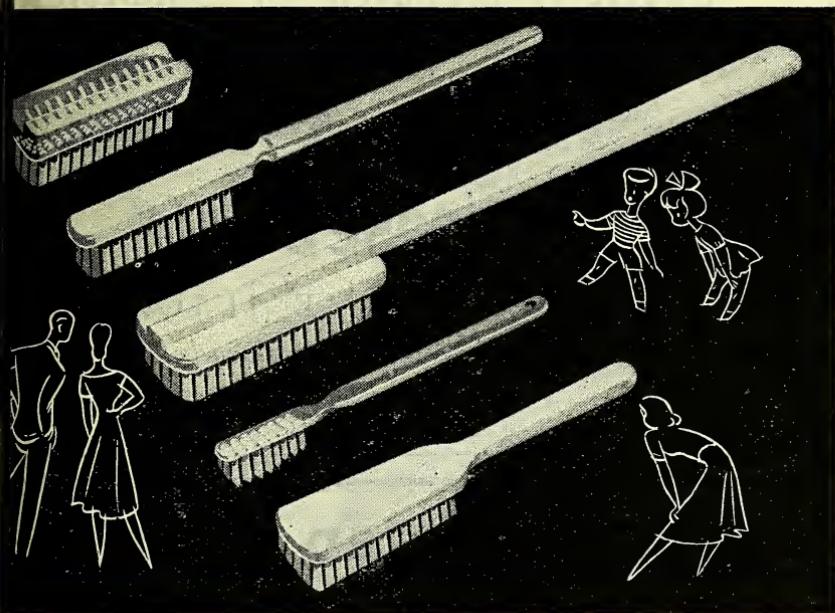
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RETAILER—WHOLESALE—MANUFACTURER

JUNE 4, 1949

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NEWS OF THE WEEK

Statutory Committee.—After the Statutory Committee of the Pharmaceutical Society had heard both sides in the re-inquiry on June 1 into the advertising of dispensing services, the chairman announced that no action would be taken by the Committee. The proceedings of the Committee will be given in greater detail next week.

Investigation of Food Poisoning.—The Ministry of Health has sent to local medical officers of health in England and Wales a memorandum ("Food Poisoning," H.M. Treasury Office, price threepence) on what to be taken in investigating illness said to have been caused by food.

Society's Officers Re-elected.—At a meeting of the Council of the Pharmaceutical Society of Great Britain on June 1, the following officers were unanimously re-elected:—*President*, Mr. H. C. Shaw (proposed by Mr. W. J. Tristram and seconded by Mr. J. K. Irvine); *Vice-president*, Mr. McNeal (proposed by Mr. H. M. and seconded by Mr. Granville); *Treasurer*, Mr. W. S. Howells.

N.A.W.P. Officers.—The following officers of the National Association of Women Pharmacists have been elected for 1949-50:—*President*, Miss E. F. Hayward; *Vice-president and Employment Secretary*, Miss E. M. E. Brighten, The Moat, Sandy Lodge Road, Moor Park, Rickmansworth, Herts; *Treasurer*, Miss D. I. Morgan; *Registrar*, Mrs. A. Purdue; *Secretary*, Miss M. Lloyd, 7 Meredyth Road, London, S.W.13.

Streptomycin and Insulin for Germany.—The Imports Advisory Committee for the Western Zones of Germany announced on May 27 that licences would be granted for the following to be imported into the Western Zones:—

Streptomycin: (a) in vials of 1 gm., £11,250 worth; (b) in vials of 5 gm., £3,000 worth; dihydrostreptomycin in vials of 1 gm., £2,500 worth;

Insulin: (a) in vials of 10 c.c., 400 units per c.c., £10,250 worth; (b) protamine zinc, in vials of 10 c.c., 400 units per c.c., £1,000 worth; (c) crystalline, minimum strength of 27.0 units per mgm., £35,000 worth.

New Molasses Order.—The Board of Trade has made a new order (the Molasses Order 1949, S.I. 1949, No. 1001) which supersedes the Molasses and Industrial Alcohol Order, 1946 as amended, and applies only to molasses. Undenatured alcohol, acetic acid and anhydride, and butyl alcohol are, therefore, no longer controlled.

Mauve Insurance Cards.—The Ministry of National Insurance reminds employers that mauve National Insurance cards marked with the letter "B" printed on the front page above the period of currency, finish on June 5 and should be exchanged for new cards not later than June 11. Employers are asked to take or send cards of their staff with their own cards, if mauve, all together to a local National Insurance Office between June 7 and 11.

Public Pharmacists' Council.—The following members have been elected to the Council of the Guild of Public Pharmacists:—*Ordinary council members:* Miss M. C. Islip, Messrs. E. W. Barstow, G. Bryan, D. H. S. Cox, R. H. Henriksen, J. Barclay Hough, J. B. Lloyd, J. Moore, A. G. Shaw, and J. H. Wood. *District members:* Scottish, Mr. D. Currie; South-western, Mr. E. T. Griffiths; Northwestern, Mr. A. M. Mees; North-Eastern, Mr. A. N. Stephenson; Midland, Mr. P. Crees; and South-eastern, Messrs. W. H. Boorman and S. Powson.

South Africa to Cut Imports.—It was announced in Cape Town on May 23 that no goods may be imported into the Union after June 30 except on production to the Department of Customs and Excise of a permit issued by the South African Ministry of Economic Affairs. Certain exceptions are to be made, viz.: no import permits will be required in respect of (1) goods shipped from sterling countries on or before June 13 (date of shipment to be substantiated by an onboard bill of lading or a postal receipt) and (2) goods arriving from non-sterling countries, the importation of which has been authorised in terms of the present exchange quota regulations. In this latter connection a proviso will be made that goods must have been ordered and confirmed before the last day of June.

Crop Pest Warnings.—The Ministry of Agriculture and Fisheries points out that counts of overwintering eggs of the black aphis (blackfly) of beans and sugar beet

on spindle trees during the past showed that in most parts of the the numbers were again relatively. Growers are advised to watch for infestations in sugar beet, mangol beans and to apply control measures serious damage has been done. The of infestation of potato crops in with the Colorado beetle is also. Eradication depends on prompt acti the Ministry appeals for immediate of any discovery. Any red or reddish low grub or yellow striped beetle fo potato leaves or among vegetables be suspect, and specimens should b preferably with a piece of potato a tin box with no holes, to the Min Agriculture, Plant Pathology Labo Milton Road, Harpenden, Herts, letter stating place where found and name and address of the finder.

New Biological Standards.—At a meeting of the World Health Organisation Expert Committee on Biological Standardisation in London, recently, international standards were approved for vitamin D₃, vitamin A acetate, streptomycin and A and B blood groups. It was decided to unify the international American units for tetanus antitoxin to withdraw the standards for oestrogenestradiol monobenzoate as those pounds were now prepared chemically. As the stock of the international standard for penicillin was running low, the committee decided to procure a preparation of pure penicillin G to serve as the international standard for penicillin. It recommended that an international standard for streptomycin, a reference preparation for dihydrostreptomycin, and minimum requirements for the potent smallpox vaccines should be established. It was agreed to request facilities from the Government of India for testing the efficacy of various vaccines against isolated from fresh smallpox cases. The Committee further recommended that an international standard for vitamin B₁₂ be established, and, at the request of the United Nations International Children's Emergency Fund, established facilities for laboratories engaged in preparation of BCG vaccine. The committee noted that the Institut Pasteur, Paris, was now ready to serve as a world centre for the preparation and distribution of BCG cultures for the production of the vaccine.

LOCAL NEWS

Oldham Display Competition.—Brad-
(Chemists), Ltd., 193, Huddersfield
Lancs, were the winners in the
tition organised recently in connec-
with the Oldham centenary celebra-

Prizes for Display Students.—Four em-
ployees of Boots, Ltd., received books at
tribution of certificates and prizes to
students at the Liverpool School
of Art, held on May 26. An exhibition
of students' work included two displays of
pharmaceutical preparations.

Chemists' Golf at Ryton.—The North-
umberland and Durham Chemists' Golfing
Society held a bogey competition at Ryton
on May 25. The Ayrton and Saunders cup
was won by Mr. H. T. K. Anderson,
Sunderland, and the UCAL Trophy
by Mr. D. Taylor. The cup was pre-
sented to Mr. Anderson by the captain
(Mr. Mills).

Oldham Pricing Resolution.—At its
meeting held recently, the Oldham
Branch of the National Pharmaceutical
Society unanimously passed a resolution
stating that "the Ministry of Health
should use the methods adopted by the
shire Pricing Bureau (Preston) and
adapt them to other bureaux so that
a full can be carried out."

Merger Celebration.—About 140 em-
ployees of Hirst, Brooke & Hirst, Ltd.,
guests of Mr. Geoffrey Hirst at a
luncheon held on May 27 to celebrate the
company's recent merger (see *C. & D.*,
April 2, p. 422). Mr. Hirst, who said that,
at the end of March, 25 per cent. of the
company's employees had become share-
holders, presented free ordinary shares to
members with over forty years' service. Mr.
K. Parker (the company's representative in
Shire), with fifty-four years' service,
received 540 shares.

Scottish Chemists' Bowls.—The annual
bowling competition between Edin-
burgh and Glasgow chemists for the
Cross medallion was held at Well-
ington, Glasgow, on May 25. The result
was a victory for Glasgow by five shots.
Prizes for the highest rink (donated by
F. & Moyes, Ltd., Glasgow), were
won by Messrs. W. J. Moffat, D. Black,
. Murdoch and J. W. Logan (skip),
Glasgow. Prizes for the best Edin-
burgh rink were won by Messrs. B. M.

Bowden, R. M. Park, J. E. Budge and P.
Nisbet (skip). Arrangements for the
game were made by Mr. W. S. Peebles
(Glasgow secretary).

Somerset Annual Meetings.—At the
annual meetings of the Somerset Branches
of the Pharmaceutical Society and of the
National Pharmaceutical Union, at Yeovil,
recently, the following officers were elected:
*Chairman, Pharmaceutical Society
Branch*, Mr. W. Deacon; *Chairman,
N.P.U. Branch*, Mr. C. B. Gosling; *Treasurer
(both Branches)*, Mr. A. C. Black-
burn; *Secretary (both Branches)*, Mr.
H. M. Lovell, 38 St. James Street, Weston-
super-Mare; *Assistant Secretary (both
Branches)*, Mr. J. S. Clarke. In a discussion
that followed the Society's Branch
meeting a resolution was passed unani-
mously urging that recognition should not
be given to technical assistants in phar-
macy.

Bristol Design Week.—Bristol shops
and stores are arranging special displays
for "Design Week, Bristol," which is being
organised, June 13-18, by the Council
of Industrial Design. The week's pro-
gramme includes a tea party for retail
managers on June 14 and a film show for
retail staffs on June 15, at each of which
short talks are to be given by Miss Jean
Stewart (the Council's retail officer).
"Design Fair," a travelling exhibition in-
tended to illustrate the importance of good
design in everyday articles, is to visit the
City Art Gallery, Queen's Road, Bristol,
June 13-July 2. Gillette Industries, Ltd.,
Great West Road, Isleworth, Middlesex,
are organising a window display competi-
tion for dealers within the city boundary.

Manufacturers' Staff Outings.—The
employees of F. W. Hampshire & Co.,
Ltd., manufacturing chemists, Derby, were
the guests of the management on an outing
to Blackpool recently.—The directors
and staff of James Burrough, Ltd., Cale
Distillery, London, S.E.11, held their an-
nual outing on May 28 to Margate. Mr.
E. J. Burrough presided at luncheon and
"The Company" was proposed by Mr. J.
Scott.—The annual staff outing of William
Martindale Wholesale, Ltd., London, W.1,
held on May 29, took the form of a coach
visit to Brighton.—Two special express
trains carried 850 employees of The British
Drug Houses, Ltd., and their families to
Clacton-on-Sea on May 28 for the com-
pany's annual "beanfeast." After lunch,
Mr. T. Giles, on behalf of the employees,

proposed "The Company," and the managing director (Mr. G. F. Williams), replying, welcomed more than sixty-five of the company's pensioners who had been able to make the journey. An afternoon entertainment was followed by a tea-dance, and in the evening, a sing-song, before the party entrained for the return journey to London.

LOCAL OFFICERS

THE following officers of local branches of the Pharmaceutical Society, etc., have recently been elected or re-elected:—

Nottingham.—*Chairman*, Miss G. M. Watson; *Vice-chairman*, Mr. D. E. Sparshott; *Treasurer*, Mr. W. G. Hollis; *Secretary*, Mr. W. E. Newbold, 2 Chapel Bar, Nottingham.

Exeter.—*Chairman*, Mr. P. M. Smith; *Vice-chairman*, Mr. J. J. Leonard; *Treasurer*, Mr. R. H. Trickey; *Social Secretary*, Mr. M. D. Scott; *Secretary*, Mr. W. M. Boorne, c/o Evans, Gadd & Co., Ltd., 10 Smythen Street, Exeter.

North London Association and Branch.—*Chairman and President*, Mr. A. Aldington; *Vice-chairman and Vice-president*, Mr. L. G. Tranent; *Treasurer*, Mr. A. W. Leaversuch; *Secretary*, Mr. A. E. Footitt, 5 Mountgrace Road, Potters Bar.

Birkenhead Association.—The following officers were elected at the annual meeting of the Birkenhead and Wirral Pharmacists' Association recently: *President*, Mr. F. J. Nichols; *President-elect*, Mr. J. A. Dewar; *Treasurer*, Mr. C. H. Crawshaw; *Secretary*, Mr. R. G. Collins, 53 Christchurch Road, Oxton, Birkenhead; *Social Secretary*, Mr. J. W. Waterworth.

Leeds N.P.U. Branch.—At the annual meeting of the Leeds Branch of the National Pharmaceutical Union on May 16, the following officers were elected:—*Chairman*, Mr. A. L. Peters; *Chairman-elect*, Mr. J. Schofield; *Vice-chairman*, Mr. F. A. A. Jones; *Treasurer*, Mr. F. J. Carr; *Secretary*, Mr. F. Mitchell, 88 Stoney Rock Lane, Leeds, 9.

Wembley Chemists' Association.—*President*, Mr. Evan C. Meredith; *Vice-president and Social Secretary*, Mr. J. K. Westerman; *Treasurer*, Mr. James Cooper; *National Pharmaceutical Union Branch Secretary*, Mr. A. J. Paterson, 11 Goose Acre Parade, Kenton; *Association Secretary*, Mr. Frank E. Dee, 124 Slough Lane, London, N.W.9.

OVERSEAS NEWS

Higher Duty for Indian Imports.—Government of India is to levy increased rates of protective duty on sodium sulphite and thiosulphate.

New Malta Industries.—It is announced that refineries for linseed oil and edible oils are to be set up in Malta in 1949.

Jugo-Slavia Ratifies Convention.—Jugo-Slavia recently ratified the national Drug Control Convention at a protocol subjecting to international control drugs not covered by the Convention of 1931.

Hungarian Chemical Production.—Hungarian chemical industry is expected to turn out products to the value of 3,000,000,000 forints in 1949, which would represent an increase of 15 per cent. over the 1947 output.

Israel's Health Plans.—A subcommittee of the Cabinet of the Government of Israel is working on draft proposals for health schemes with the aim of including all citizens of the country in a centralized health service.

New Trade Agreements.—Trade agreements involving chemicals have been recently concluded between Portugal and Western Germany, Iran and Western Germany (Western Germany to supply chemicals, etc.); Israel and Poland (Israel to supply chemicals, olive oil, etc.); France and Austria (France to supply chemical products, etc.).

IRISH NEWS

Wexford Meeting.—The County Wexford Chemists' Association organized a meeting of chemists at Enniscorthy recently. Mr. A. Thornton was in the chair and the Irish Drug Association was represented by Mr. Brendan Smith (Secretary). Matters raised included the question of the introduction by some manufacturers of ordinary lines to non-chemist traders, although the same makers' B.P. and ethical preparations were confined to chemists to their goodwill. There was a discussion on the operation of the 1908 Poisons Act and at the close it was decided to ascertain the name and number of poisons covered by the Act. Mr. P. Brooke-Kelly raised the question of the retail price of some poisons and pointed out that in some instances there was little margin of profit.

TOPICAL REFLECTIONS

Heads and Tails

old, dreary disputes about payment on contract dispensing, so familiar in 1945 and occasionally since, have begun again. The present system, like some predecessors, appears to be based on the principle of heads I win, tails you lose. As the planners of the first National Health Insurance Act adopted a too sanguine estimate of the cost, so the promoters of the National Health Service Act have d themselves to believe that its expenses would be less than they turned out to be. And now a pressing need for economy is resulting in cheese-; as usual, one of the weakest of contractors is to be among the to feel the impact of the process. A projected delay in pricing would have prevented had the Ministry of Health exercised the foresight expected of respite being a virtue not much esteemed (so far as indications afford) in official circles, the depressing effect of averaging is the result. Your correspondence section is giving proof of indignation justly felt by contracting pharmacists. The latest addition to this issue is the proposal (p. 703) that demands for containers be reintroduced, or alternatively that the present allowance be reduced by 50 per cent. It will be better, I suggest, to suffer the proposed reduction and return to the discredited system of units, the worry of which was serious. There is no third course?

Gallantry of Speeches

The annual meeting of the Pharmaceutical Society, with its extension known as Branch Representatives' meeting, is to be settling into a pattern under the policy of merging the two into a sort of combined operation. On pp. 707-14 I have given an excellent report—the best, I think, for being condensed—of what was said in discussions at both these meetings last month. The immaturity of a number of the speeches need not be dismissed as an off-hand joke. Every unpractised speaker has to make a beginning, and one should find, effectiveness growing with practice. For my present purpose I regard the two meetings as one. The report of the president of the Society about future accommodation for the library and museum will, I trust, be borne in mind. Both are important features of

the routine work at headquarters, and whoever is entrusted with the selection of new premises in London should insist on these departments being comfortably placed. Mr. H. S. Grainger's remark on the "dichotomy" in pharmaceutical education fails to cause even a mild shock in at least one of your readers. While agreeing with him that aspirants to academic distinction will do best by obtaining a university degree, I may point out that two qualifications, a higher and a lower, have long been the rule in Great Britain, and I see nothing derogatory to British pharmacy in that fact. My remarks on the educational policy of the Council, and its effect on recruitment, have been too recently made to need repetition now.

Divergent Opinions

The frequency of voting during this meeting of the Branch Representatives is a healthy sign of freedom to express opinions and to act upon them. Here I have space for only two more subjects. A reading of the discussion on the term "qualified supervision" leads me to ally myself with the minority who voted against so defining the term that no pharmacist shall be allowed to supervise the work of more than two unqualified assistants. Not only is the proposal, as one speaker pointed out, impracticable "at present and for some years to come"; it is also contrary to experience. A case could be put up for the statement that a pharmacist who cannot supervise more than two unqualified assistants cannot supervise one efficiently. How many of those who voted in favour of the proposed limitation have worked in a shop where several assistants, qualified and unqualified, were employed? The remarks on stationery and printing seem rather of the nature of small beer; yet the subject was worth raising. The idea of having branch printing done through the Society's headquarters should, I submit, be ruled out absolutely. The delays and complications entailed by that policy would be exasperating. Certain classes of stationery might with advantage be purchased in bulk in selected centres and distributed to branches; a saving in cost would no doubt result. To this brief reference should be added an appreciation of the public spirit of those members who attended and spoke at the meetings, in some cases at personal inconvenience.

Xrayser

BIRTHS

BEE.—At 5A Loudoun Street, Mauchline, Ayrs, on May 24. Marjory (née Amos), the wife of William Bee, M.P.S., 44 Huddersfield Street, Galashiels, of a daughter.

MUNRO.—At Rubislaw nursing home, Aberdeen, on May 17. Isabel, the wife of James S. Munro, M.P.S., 27 Albyn Grove, Aberdeen, of a son.

DEATHS

BRIGHAM.—On April 9, Mr. Stephen Wilson Brigham, 14 Leeds Road, Windhill Bridge, Shipley, Yorks. Mr. Brigham qualified in 1930.

CAIRNS.—On April 17, Mr. John Cairns, 47 High Street, Findon, Worthing, formerly of Claybury, Woodford Bridge, aged seventy-five. Mr. Claybury qualified as a chemist and druggist in 1897.

DRUMMOND.—At Green Gates, Gibson Street, Dumbarton, suddenly on May 24, Mr. John Drummond, M.P.S., 88 High Street, Dumbarton. Mr. Drummond qualified in 1913.

HOWELL.—On May 7, Mr. Ewart Taylor Howell, M.P.S., 374 Brockley Road, Crofton Park, London, S.E.4, aged forty-nine.

LEVER.—In hospital at Minneapolis, U.S.A., on May 27, the Rt. Hon. Sir William Lever, second Viscount Leverhulme, governor of Lever Bros., Ltd., and of Unilever, Ltd., aged sixty-one. Lord Leverhulme was the only child of the first viscount, the founder of Lever Bros., Ltd. Educated at Eton and Cambridge, he took his degree in 1909 and his M.A. in 1913. He then began work with the company, starting as a labourer among the soap vats at Port Sunlight. In 1923 he served as High Sheriff of Cheshire. Lord Leverhulme was president of the London Chamber of Commerce, 1931-34, and in 1931 was president of the Advertising Association. He served as president of the Institution of Chemical Engineers, 1932-34, and of the Society of Chemical Industry, 1936-38. In 1936 he was instrumental in forming the British Management Council and was a member of the Board of Trade committee that recommended the formation of the British Institute of Management, opened in 1948. He was president of the International Management Congress, Washington, 1938.

MASON.—On May 9, Mr. John Erick Mason, M.P.S., whose address in the register was 202 High Road, London, W.4, aged sixty. Mr. Mason, who formerly manager for nearly eight years of Churchills Chemists, Ltd., Chiswick, had recently assumed the management of Strode & Co., Ltd., London, W.12. He became ill at the shop and died at Harmsworth Hospital shortly after his admission.

PEARSON.—On May 13, Mr. John Pearson, St. Kitts, York Road, Llandaff, aged seventy-eight. Mr. Pearson, qualified in 1897, was for many years with Boots, Ltd., Buxton, Derbys.

RAWLINS.—At University College Hospital, London, on May 30, Mr. Thomas Rawlins, M.P.S. (a partner in Williams & Peters, 165 Fortress Road, N.W.5), aged seventy. With his partner Mr. F. P. Williams, Mr. Williams had been in business at that address for fifty-two years.

INQUESTS

Allergic to New Drug?—An inquest was held at Mexborough, Yorks, recently, on a forty-two-year-old man who died after an operation during which he had received C.10. A doctor said in evidence that she could only account for the case on the assumption that the patient was allergic to the drug. Two doses of the antidote had been administered, but a marked fall in blood pressure had ensued. A verdict of death by misadventure was returned.

Dicumarol Warning.—At an inquest at Battersea, London, recently, on a seventy-year-old woman who had died through haemorrhage following an overdose of dicumarol, the doctor who had prescribed the drug said that he had ordered the dose suggested by the manufacturer and endorsed by a medical authority, but did not remember any warning or dangers of the drug in reference to it. The coroner said the facts of the administration of the drug should be made widely known as possible, and that the attention of the manufacturers should be drawn to the case. It was easy for a conscientious doctor following the directions to bring about such a result. A pathologist stated that dosage should be controlled by daily examination of the blood. A verdict of death from misadventure was recorded by the coroner adding that the decision to use the drug was "wise and correct."

PERSONALITIES

D. S. EVANS, M.P.S., Goodwick, Stokes, has been elected chairman of Fishguard and Goodwick urban council.

H. Liss (managing director of the group of companies) has been installed master of the Aspiration Lodge of Masons.

R. L. TAYLOR, the newly appointed chairman of the Association of British Pharmaceutical Industry, is sales director of Johnsons of Hendon, Ltd. He has been associated with the organisation since its formation in 1930, and has served on its council for fifteen years. Mr. Taylor is also chairman of the Association of Manufacturers and Suppliers for the Graphic Arts, and

the Hendon Chamber of Commerce. He takes a keen interest in the work of the Institute of British Photographers, the Graphic Dealers' Association, and the Wholesale Photo Finishers' Association.

GEORGE MALCOLM, a founder-director of Britton, Malcolm & Co., Ltd., is in hospital as a result of a breakdown in health. The company, on Mr. Malcolm's behalf, wishes to thank his many friends for their inquiries and good wishes.

S. J. RELPH, Ph.C., (secretary, British Pharmaceutical Students' Association) is to read a paper on "Pharmaceutical Education in Great Britain" at a conference of Scandinavian pharmaceutical students to be held in Copenhagen, during the period June 5-8.

F. J. NICHOLS, M.P.S., the newly elected president of the Birkenhead and Wirral Pharmacists' Association and branch of the Pharmaceutical Society, has been in business in Birkenhead since 1933, when he took over the business of the late A. Elder, Ph.C., with whom he was articled. Mr. Nichols qualified from Liverpool School of Pharmacy in 1932, and obtained further retail experience with Mr. H. L. Gerry, M.P.S., Chester. Committee member for many years, Mr.

Nichols was the local secretary during the years 1938-40, and is at present a member of the Birkenhead Pharmaceutical Committee.

MR. C. B. GOSLING, M.P.S., who has been elected to a second term of office as chairman of the Somerset Branch of the National Pharmaceutical Union has been in business in Yeovil since 1946. He was previously in business in South-west London. A founder member of the Wembley Chemists' Association, he was chairman in 1938 of the Wembley Branches of the Pharmaceutical Society and National Pharmaceutical Union. After an apprenticeship in Coleford, Glos., he qualified in 1928 from the London College of Pharmacy, and later served for two years as an assistant pharmacist at St. Bartholomew's Hospital, London. He is a member of the Somerset Pharmaceutical and Pharmaceutical Services Committees.

MR. J. M. ROWSON, Ph.D., M.Sc., Ph.C., who has been appointed curator of the Pharmaceutical Society's museum,

has been head of the Pharmacy Department of the Sunderland Technical College since 1944, and is a member of the society's board of examiners for England and Wales. Appointed in retail pharmacy in Louth, Lincs, Dr. Rowson was the Fairchild scholar in 1932. He qualified as a chemist and druggist in 1933, and as a Pharmaceutical Chemist three years later. Dr. Rowson, who holds B.Sc., M.Sc., and Ph.D. degrees in pharmacy from Manchester University, studied in the Honours School of Botany at the University with the aim of equipping himself for pharmacognostical research. He has also taken a B.Sc. (special) in botany at London University. His published work deals with the evaluation of tragacanth, the estimation of solanaceous alkaloids, stomatal indices, and the arsenic contents of culinary herbs. He was formerly a demonstrator, and then assistant lecturer in pharmacy at the University of Manchester.



NEW COMPANIES

SCIENTIFIC & MEDICAL GLASS CO. (KINGSBURY), LTD. (P.C.)—Capital £2,000. Edward G. Ambler and John Mackness, directors. R.O.: Jubilee Close, Townsend Lane, Kingsbury, Middlesex.

PHELAN & CO. (WATERFORD), LTD. (P.C.)—Registered in Dublin. Capital £1,000. To carry on the business of chemists, druggists, etc. Susan Phelan, Maurice Phelan, Michael Thompson and John A. Phelan, directors.

GRASSE, LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in perfumery and cosmetics, soaps, etc. John Vischer and Russell T. A. Northrop, directors. R.O.: 37 Elizabeth Street, London S.W.1.

CALDERWOOD PHARMACY, LTD. (P.C.)—Registered in Dublin. Capital £100. To carry on the business of chemists and druggists, etc. First directors are not named. Subscribers' address: 39 Westmoreland Street, Dublin.

MEISL EVANS KEITH, LTD. (P.C.)—Capital £10,000. To acquire the business of manufacturers of dyes, chemicals and raw materials carried on by Brit-OVER, Ltd., and Joseph Meisl and Charles G. Meisl, at 27 Chancery Lane, London, W.C.2. Edward O. Toft, Joseph Meisl, Charles G. Meisl, David Evans and Charles C. Keith, directors.

HERBERT EDWARD BROWN, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and wholesale and retail dealers in and distributors of pharmaceutical and organic chemicals, permanent waving methods and preparations, cosmetics, etc. First directors are not named. R.O.: 4 Tokenhouse Buildings, King's Arms Yard, London, E.C.2.

GEORGE HINCHLIFFE, LTD. (P.C.)—Capital £12,000. To carry on the business of a wholesale, retail and manufacturing chemist at 104 King Street, Dukinfield, and at 1 Bow Street, Ashton-under-Lyne. George Hinchliffe, M.P.S., Margaret Hinchliffe, Frank P. R. Hinchliffe and George A. Hinchliffe, directors. R.O.: 104 King Street, Dukinfield.

Company News

KEMPTHORNE, PROSSER & CO.'S NEW ZEALAND DRUG CO., LTD.—Net profit for the year ended January 31, amounted to £88,491 against £82,847 in the previous year. A final dividend of 4½ per cent. (the same) has been paid, maintaining the dividend for the year at 8 per cent.

EVANS MEDICAL SUPPLIES, LTD.—Consolidated trading profit of the group, including one additional subsidiary company, amounts to £154,367. After providing £116,363 for debenture stock interest, annual depreciation, taxation, auditors' and directors' remuneration and minority interest, the balance available amounts to £38,004, to which is added £2,325, interest received on war damage claims. £12,000 is transferred to reserve (debenture stock redemption charge); special depreciation, £10,185. Final dividends are 4.023 per cent. (making 7.023 per cent.) and 7 per cent. (making 10 per cent.) on the preference and ordinary stocks, respectively.

ALBRIGHT AND WILSON, LTD.—At the fifty-seventh annual meeting of shareholders the chairman Kenneth H. Wilson said: "The profit of the before taxation, attributable to the shareholdings for the year 1948, amounted to £881,006, a which is comparable with a profit of £813,955 for 1947. The capital expenditure of the in 1948 amounted to £753,055 and we are committed to a very considerable expenditure current year. These commitments and the projected outlays on new schemes over the next or four years are estimated at a total of more than £1,000,000 and the time has now come when we must obtain more capital to finance expenditure. Accordingly, we are applying to the Capital Issues Committee for permission to £1,000,000 of Redeemable Cumulative Preference shares of £1 each."

IMPERIAL CHEMICAL INDUSTRIES, LTD. twenty-third annual general meeting of shareholders was held in London on Tuesday, May 31. The chairman, Lord McGowan, in the course of his speech, said: "The output by volume in 1948 was double that of 1938" . . . "At over £300 million the value of our direct exports in 1948 was nearly four times that in 1938, and represented about 30 per cent. of our total sales." . . . "The company is now spending over £4,000,000 on research and development." On the subject of nationalisation Lord McGowan said: "At this stage there is no detailed comment to make, except to say that at no time has the company been unwilling to explain in the manner to the Government of the day its intentions and its conduct. I can definitely state that your board take the view that I.C.I. is an appropriate subject for nationalisation. I assure you that the nationalisation of your company would generally be regarded by those with whom we trade and with whom we have joint manufacturing enterprises as a grave mistake in commercial policy, and, furthermore, as destructive of that goodwill and that cooperation which have been of so much benefit in the past to both the country and this company. No doubt there would be difficulties in maintaining exports and, therefore, a loss of earning power in foreign currencies, but countries which buy chemicals from Britain would be encouraged to erect plants of their own, not necessarily with British capital. Veiled threats of nationalisation even if they are not implemented, have a disturbing effect upon existing staff, and potential recruits to the staff. It is those members of the staff, and those recruits, who have initiative and ability, and to whom the company must look for its future management and development, who fear most that, under nationalisation, they would be inhibited and unable to develop that enterprise which is so vital to a company of this kind. I can hardly imagine anything more damaging to the efforts at improving the productive industry of this country and the export of its exports than this talk of nationalisation. Every member of your board is opposed to a policy, and they would take all proper steps to oppose the nationalisation of your company, if such an attempt were ever made."

LEGAL REPORTS

Damages Claim Fails.—At Leeds county court, recently, Mr. Harry Wade, M.P.S., Broadnall Road, Leeds, unsuccessfully sued the Corporation for damages arising from the flooding of his premises by sewer water. He claimed that the damage, agreed at £50, had been caused by a bad sewer junction. The judge held that the sewers had been efficiently constructed.

Notice to Terminate Employment.—At Clerkenwell county court, on May 25, Herbert Thompson, M.P.S., 47 Broadway, London, N.8, was sued by Miss Gertrude Farrer, a dispenser, 79 Whitechurch Gardens, Edgware, for £14 wages in lieu of notice. Mr. Registrar Friend expressed surprise that a chemist of twenty years' experience had not seen the Pharmaceutical Society's document concerning employment customs in the trade. Miss Farrer, was given judgment for that amount, costs, said she was taken on by Mr. Thompson at his shop in April. On the Friday he gave her a week's notice. custom of the trade, she said, was

for a month's notice, though she was claiming for only two weeks' wages in lieu of notice.

Canvassing Doctor Struck Off.—The General Medical Council, at a public hearing in London on May 26, directed that the name of Dr. Michael Ansal Wiseman, registered as of Oakfield Road, Didsbury, Manchester, should be erased from the medical register. The president (Sir Herbert L. Eason) announced that the Council had found him guilty of canvassing a number of patients of other doctors with a view to their becoming patients under the National Health Service Act. In relation to the facts so alleged he had been guilty of infamous conduct in a professional respect. The Medical Defence Union, who had brought the complaint, alleged that Dr. Wiseman had conducted a systematic campaign of canvassing patients on a new housing estate at Baguley, Wythenshaw, by introducing himself as "The doctor for the estate," and explaining he was nearer than their own doctor.

THE WEEK IN PARLIAMENT

THORNTON-KEMSLEY asked the Minister of Food on May 23 for an analysis of allocations of refined sugar for manufacturing purposes according to end-products in 1947, 1948 and 1949. MR. JOHN CHEY replied that figures for the first two years only were available—they would not know what the total allocations were in 1949 until the year was over. Among the figures he gave were medical preparations, 11,700 tons, 1947; 8,700 tons, 1948.

N.H.S. Amendment Bill

In the second reading of the National Health Service Amendment Bill on May 22, MR. HUGH N. LINSTEAD said the Service would not function properly until the professions felt that they were in a position of security and that instead of looking over their shoulders, wondering what was going to happen next, they could devote themselves wholeheartedly to their professional work. Speaking of the pharmaceutical service, he said that contractors to the service could be either individual firms or corporate bodies. The service itself, and the giving up of the medicine, must be performed by a pharmacist. It was the desire of the Pharmaceutical Society and of pharmacists in general that the professional work who did the professional work should

PARLIAMENT

share the responsibility of that work with his employer. At the moment the employer alone was liable for mistakes and accepted the responsibility. Under the optical service, where both the individual optician and also corporate bodies might be contractors, the responsibility of employer and employee was joint. The optician provided the service jointly with the limited company and shared the responsibility. He hoped to be able to move an amendment that would provide for the pharmaceutical service being placed on the same basis as the optical service on that point.

When MR. ANEURIN BEVAN wound up the debate, he stated that the administrative expenses of the National Health Service Act worked out at 2.3 per cent. of the total cost. Reductions had been made—or slight reductions would be made—in the remuneration of chemists, of opticians and of dentists. "To the extent that abuses exist in the Health Service, to the extent that it had been difficult to prevent them from arising, to the extent that there are faults, they arise directly from those parts of the Health Service that have to be articulated through private enterprise—opticians, dentists, chemists—but not much the chemists." The Bill was given a second reading.

TRADE

NOTES

Distributors for S.W. England.—J. R. Gibbs, Ltd., Manor Avenue, Paignton, South Devon, have been appointed area distributors for Radiol products in the South-western counties.

New Size.—A new cartoned aluminium pack has been added to the range of sizes of Cooltan toilet cream manufactured by Kathleen Court (England), Ltd., Thames Street, Hampton, Middlesex.

Guide to B.P.—A small number of copies of the B.D.H. Guide to the B.P., 1948, has been made available for distribution to pharmacists. Application should be made to The British Drug Houses, Ltd., Graham Street, London, N.1.

Small Size Reintroduced.—Thomas Harley, Ltd., Perth, state that they are now able to resume distribution of the small size of Rodine rat poison (phosphorus and red squill types). The product is issued in an aluminium container.

Again in Supply.—C. J. Hewlett & Son, Ltd., 35 Charlotte Road, London, E.C.2, announce that they are again able to supply mixtures Nos. M92 (Mist. bismuth. sed. co.) and M125 (Mist. pro diarrhoea infant.).

Corrections to Advertised Prices.—WESTMINSTER LABORATORIES, LTD., Chalcot Road, Regents Park, London, N.W.1, regret that the company's colour advertisement in the May 21 issue of THE CHEMIST AND DRUGGIST gave incorrect retail prices for Magisilate aspirin chewing sweet; the correct prices are 4d. and 1s. 1d. (including tax).

Register of Chiropodists.—The seventh edition (April 1949) of the National Register of Medical Auxiliary Services—Chiropodists has been issued by the Board of Registration of Medical Auxiliaries, B.M.A. House, Tavistock Square, London, W.C.1. Copies are available free to medical practitioners, hospitals, local authorities, etc., on application to the registrar of the Board.

Penicillin Styptic Powder.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced a penicillin styptic powder to provide surgeons and dentists with a readily applied alginate styptic incorporating the antibacterial properties of penicillin. The product is presented in special 2-gm. aluminium tube containers

to facilitate application to minor wounds and dental sockets. Each gm. contains 20,000 i.u. penicillin calcium salt.

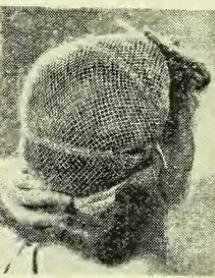
Panelled Hair-net.—The P5 No. 1 panelled sleeping-net illustrated is issued by Raywarp Fibres, Ltd., Alford Street North, Nottingham. The net has three elastic inserts forming sections or panels that hold the head firmly in place. The P5 may be washed repeatedly and fits all styles. When

all the panels needed, the one nearest the neck is tucked in. The nets are presented in transparent sachets, packed in one-dozen display boxes either assorted (peach, sky and apple) in single shades.

Distribution Change.—As a consequence of the recently announced acquisition of the Beecham Group, Ltd., of the share capital of Drugs, Ltd., the distribution of Silvikrin products and Kempt is being taken over by Prichard & Constance (Mfg.) Ltd. From July 1, orders for Silvikrin, Silvifix and Kempt should be sent to Messrs. Prichard & Constance at North Circular Road, N.W.10. The name Drugs, Ltd., changed to Silvikrin Laboratories, Ltd.

Televised Talk on Perfumery.—Polak & Schwarz (England), Ltd., 50 Great Cambridge Road, Enfield, Middlesex state that Messrs. Polak & Schwarz participated in an experimental broadcast produced at the Philips' Experimental Television Physical Laboratory at Eindhoven, Holland, recently. About 10,000 spectators were present and the broadcast included a talk on perfumery, illustrated by experiments and with a display of raw materials.

Bonus Offers.—F. W. HAMPSHIRE Co., Ltd., Sunnydale, Derby, announce special bonus offers to all retailers and wholesalers of Snowfire face powder (12 oz. charged as ten); and a window display cash bonus offer applying to chemists in retail business; particulars may be obtained from the company.—JOHNSON & JOHNSON (GREAT BRITAIN), Ltd., Bas-



Ro Slough, Bucks, give details on another page of this issue of a special disoffer of Band-Aid first-aid dressings.

Liday Closings.—The following will be sed from Friday evening, June 3, to Tu ay morning, June 7: CIBA LABORATO- offo rs, LTD., Horsham, Sussex (works, and warehouses); GLAXO LABORATO- rs, LTD., Greenford, Middlesex (skeleton staff for emergency orders on Saturday morn); SHARP & DOHME, LTD., Hoddes- derts; VITAMINS, LTD., Upper Mall, London, W.6. HIRST, BROOKE & HIRST, Sheepscar Works Leeds, 7, are clos- offices and factory from Friday aftoon, June 3, until Wednesday morn- ing 8.

proved Vacuum Flask.—John F. as, Ltd., 20 Story Street, London, offer a vacuum flask with patent rubber neck to protect the bottle if accidentally overturned and to render it practically unbreakable. The neck fits hermetically on the glass refill and thus prevents the contents, when poured, from entering the outer and accumulating as a muddy, rusty water. The large cup is shaped like a normal tea cup; it does not screw on the flask but fits on to it by suction. flask is available in red, orange, blue, green, yellow, maroon.

General Home Catalogue.—Distribu- was put in hand recently of a newly filed home trade catalogue—the first 1941—of the products of W. J. Bush &, Ltd., Ash Grove, Hackney, London, E. For convenience the list is divided into eight thumb-tabbed sections (including essential oils, fruit juices and concentrates, synthetic chemicals and aromatics, perfumery products, and colours), and the parts are supplemented by information at the use of the materials. The book is off boards, varnished for permanence. Copies are available to anyone in the trade who is interested, and sections only can be had if desired.

New Ophthalmic Glass.—Chance Brothers, Ltd., 28 St. James's Square, London, S.W.1, announce the replacement of Chance Crookes' A1 ophthalmic glass by Chance Crookes' Alpha uranium-free ophthalmic glass. [The use of uranium for commercial purposes has been prohibited]. Limited stocks of raw Crookes' A1 glass will continue to be available for some time to come but bulk supplies thereafter will be of a different tint. The makers state the omission of uranium from the

glass in no way affects the ultra-violet absorbing properties that have been characteristic of Chance Crookes' glasses always.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—Eli Lilly & Co., Ltd., Retail prices in operation from June 13: No. 158s, Cevalin tablets, 25-mgm., 100's 30s. doz., 3s. 9d.; 500's, 126s. doz., 15s. 9d. No. 161s, 50-mgm., 100's, 48s. doz., 6s.; 500's, 216 doz., 27s.; No. 1600, 100-mgm., 100's, 84s. doz., 10s. 6d.; 500's, 32s. 4d. each, 48s. 6d. (All exempt from tax).

Portland Plastics, Ltd. (distributors, Scott & Bowne, Ltd.)—Portex plastic skin, tube, 13s. 6d. doz., tax 33½ per cent., inclusive retail price 1s. 10½d.; 27s. doz., tax 33½ per cent., i.r.p. 3s. 9d.; 63s. doz., tax 33½ per cent., i.r.p. 8s. 9d.; hospital bottle, 189s. doz., tax 33½ per cent., i.r.p. 26s. 3d. (Small size discontinued).

Addition to List (Part 2).—Osborne, Garrett & Co., Ltd., Estolan hair-conditioning cream, tube, 12s. doz., tax 100 per cent., i.r.p. 2s. 6d.

Alterations to List (Part 2).—St. Andrew Mills, Ltd., Andrex toilet roll, 85s. 6d. gross, tax 33½ per cent., i.r.p. 1s. Stanex toilet roll, 78s. 3d. gross, tax 33½ per cent., i.r.p. 11d.

Henry C. Miner, Ltd., Miner's small stick make-up, 8s. 6d. doz., tax 100 per cent., i.r.p. 1s. 9d.

Brand & Co., Ltd., canned baby foods, 5s. 8½d. doz., 7½d. (exempt from tax).

BUSINESS CHANGES

MISS ELLEN RYAN, M.P.S.I., has opened a pharmacy at Mountown, Dun Laoghaire, co. Dublin.

MR. J. G. CATTO, M.P.S., has acquired a pharmacy at 9 Church Road, Hendon, London, N.W.4. [Corrected note.]

A. IBBETSON & Co., Ibo Works, Stevenage, Herts, have opened a new head office and additional works at River Road, Barking, Essex (Telephone: Rippleway 1188). All correspondence should be addressed to the company at Barking.



Showroom of Barclay & Sons, Ltd., 93 Farringdon Street, London, E.C.4, to which reference was made in these columns recently.

NOTES ON SOME APPLIANCES

THE inclusion of hypodermic needles and syringes (for the self-administration of insulin and adrenaline), and of pessaries, in the list of appliances to be supplied on National Health Service prescriptions has caused pharmacists to handle an increased number of these requirements. As little collated information on them is available for pharmacists the following details have been prepared. For clarity notes are included on certain types of appliances not included in the N.H.S. "list of appliances" (S.I., 1949, No. 577).

Needles

The gauge of hypodermic needles cannot be regarded as standard, and the numbers given to them are often arbitrary and do not bear any relation to wire gauge sizes. Hypodermic needles are normally numbered 1 to 20 but there are gaps in the range. Most British manufacturers supply in the following numbering: 1, 2, 12, 14, 15, 16, 17, 18, 19 and 20. The following table gives the approximate specifications for British-made needles:

Hypodermic Gauge	Birmingham Wire Gauge	Diameter in mms.	Length in mms.
1	20-21	0.9-0.8	38-36
2	21-22	0.8-0.7	33-32
12	22-23	0.7-0.6	30-29
14	23	0.6	30-26
15	23	0.6	25-23
16	24-25	0.55-0.5	25-23
17	25	0.5	23-22
18	25-26	0.5-0.45	21-19
19	26	0.45	21-18
20	26	0.45	18-16

Serum needles have a separate series of numbering, and are gauged as shown in the following table:

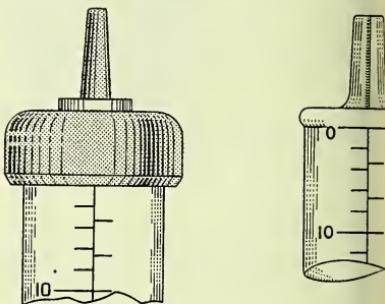
Serum Gauge	Birmingham Wire Gauge	Diameter in mms.	Length in mms.
O	17	1.45	50
I	18	1.25	50
II	19	1.10	50
III	20	0.9	50
IV	21	0.8	50
V	22	0.7	50
VI	23	0.6	50

Exploring needles are made to a specific gauge and length, and are usually specified in that way. Most manufacturers supply in all gauges from 20 to 14 B.W.G. in lengths of 1½ in., 2 in., 2½ in., 3 in., 3½ in. and 4 in.

Some manufacturers label their needles in Standard Wire Gauge (S.W.G.), but as the difference between this and the Birmingham Wire Gauge is minute, especially in the finer ranges, the terms may be regarded as synonymous.

Mounts and Fittings

There are two regularly used standard syringe taper fittings:—(a) Record (the most commonly used fitting); and (b) Luer. This is an American standard fitting which is rapidly becoming popular in Britain for all-glass syringes. It is recommended by British Standard 1263:1946. The taper (see illustration below) is larger than the Record taper.



Record taper (left), and Luer taper, enlarged approximately twice

Hypodermic Syringes

The standard patterns of hypodermic syringes are made to the following specifications:—(a) Record—Glass barrel with metal piston and mounts and Record taper needle mount: Centre nozzle, 1, 2 c.c., 5 c.c., 10 c.c., 20 c.c.; and Eccentric nozzle, 5 c.c., 10 c.c., 20 c.c. (b) Glass, with Luer or Record taper needle mount: Centre nozzle, 1 c.c., 2 c.c., 5 c.c., 10 c.c., 20 c.c. All of these syringes are calibrated in c.c. (c) Insulin syringes are normally of the Record pattern and are calibrated in 1 c.c., 20 units, and c.c., 40 units. Some have double graduations, e.g., 20 unit/40 unit per c.c.

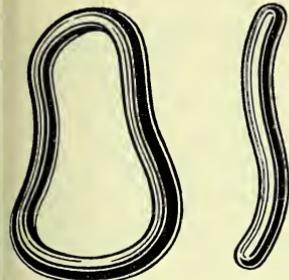
Pessaries

The pessary appliances most commonly used are described below:—

(a) Watch-spring pessaries (made thick and thin types) are composed of rubber and contain a concealed watch spring. They are numbered normally from 1 to 16. No. 1 is equivalent to 2 in. internal diameter. The sizes increase by ½ in. so that No. 9 is 3 in. in diameter.

(b) Watch-spring pessaries with flange and cushion. These are similar to the stand-

watch-spring type but have an additional fluid-filled cushion. These are gauged in the same way as watch-spring pessaries.

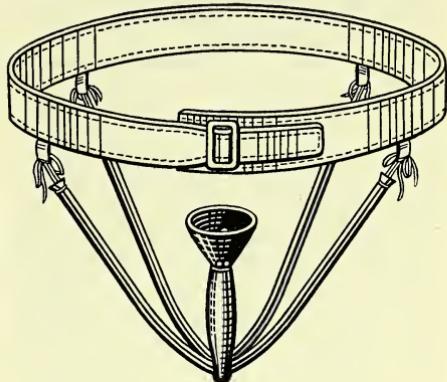


Hodge Pessary (two aspects)

Vulcanite ring pessaries are supplied thick or thin walls, and are gauged in inches from 2 in. to 3 in.

Hodge pessaries (see illustration) have a double curve. They are made from vulcanite.

(e) Dudgeon's cup and stem pessaries (see illustration) have a vulcanite stem with a rubber cap. They are supplied



Dudgeon's Cup and Stem Pessary

with a waistband and rubber under-straps to maintain them in position. There are five standard sizes: 2 in., 2½ in., 2¾ in., and 3 in. diameter across the cup.

(f) Napier's cup and stem pessaries resemble Dudgeon's but have rubber stems.

RECENT RESEARCH

Refining Liver Oils.—Hartman, of the New Zealand Department of Scientific and Industrial Research ("Nature," May 7, p. 72) finds that alkali refining provides the economical and simple method of refining oils containing vitamin A.

Crystalline Form and Insecticidal Properties.—Deffner and colleagues ("Nature," May 14, p. 769) find that the hexachloride and mixtures of the compound with phenyl-isonitrite when prepared from solutions in organic solvents, residual films more toxic than when from water suspensions of wettable forms. Unfortunately solvents "burn" the plants.

Electron-microscopy of Nuclear Membrane.—Callan and colleagues ("Nature," February 19, p. 280) have examined the nuclear membrane of the giant nuclei of grown oocytes of amphibia (*Triturus cristatus* and *Xenopus laevis*). Electron micrographs show that the nuclear membrane is a compound structure, one component of which is a porous sheet, the pores being approximately 300 Å. in diameter in hexagonal array with a repeti-

tion distance of about 800 Å., and the other component a membrane with no evident fine structure. The relative positions of the two components is not yet known. The authors conclude that the visibly porous membrane probably acts as a mechanical support for the structureless membrane.

Deactivation of Penicillin by Rubber.—Following reports that aqueous solutions of penicillin can lose up to 50 per cent. of their antibiotic activity by passage through the rubber tube of a continuous-drip apparatus, Bellamy and Watt ("Nature," 1948, I, 940) have conducted an investigation into the nature of the substances causing inactivation. The "accelerators" used in the preparation of rubber were suspected as playing a major part and observations showed that activity towards penicillin was formed when the accelerators had been compounded with the other ingredients of the rubber. Tetramethylthiuram disulphide, a rubber "accelerator," was found to be highly active towards penicillin after being heated to vulcanising temperature for ten minutes, although it had been inactive before.

MEDICAL ABSTRACTS

Adrenal Hormone for Arthritis.—The use of an adrenal cortical hormone (17-hydroxy-11-dehydrocorticosterone), designated compound E. and of a pituitary hormone, in chronic polyarticular rheumatoid arthritis is described editorially in the "Journal of the American Medical Association" (April 30, p. 1274). Nine of fourteen patients treated with the adrenal hormone and observed by Harch and colleagues experienced, within a few days, a lessening of muscle and joint stiffness, aching joints, pain caused by movement, and tenderness. Joint and muscle function were improved. Similar results were obtained with other rheumatoid arthritis patients treated with the pituitary adrenocortotropic hormone (100 mgm. for twelve days). The use of hormones was suggested to the workers by the fact that pregnancy (and jaundice) bring about remissions of rheumatoid arthritis in about 60-90 per cent. of observed cases. In a letter (*ibid.*, p. 1294) Merck & Co., Inc., who supplied most of the compound E for the trials, state that no supplies of the drug will be available from them for many months for

treatment or additional research, and before the drug can be made generally available a new synthesis will probably have to be devised.

Vioform in Skin Diseases.—Mabel Scott ("British Medical Journal," May 8, 1937) treated 115 dermatological cases with Vioform (5-chloro-7-iodo-8-hydroxyquinoline) in an ointment or cream and Overton (p. 840) 176 cases with 3 per cent. Vioform in water-miscible oil or petroleum jelly. The results indicate that the compound is valuable in the treatment of pyococcal skin infections such as impetigo, folliculitis (especially sycosis barbae), etc. Cases of acne vulgaris were not greatly improved. Vioform proved relatively non-irritating, and rarely caused epidermal sensitisation. It relieved the "prickling" of infected eczemas, but it seemed to have no antipruritic effect on non-infected dermatoses. The only serious disadvantage of Vioform was its yellow-grey colour. Cotton fabrics were easily freed of the cream, but ointment stains were more difficult to remove.

SENSITISATION

At the seventh meeting of the Fine Chemicals Group of the Society of Chemical Industry, held in London, recently, Mr. J. D. KENDALL, Ph.D., F.R.I.C. (head of the dye research laboratory, Ilford, Ltd.), gave a lecture on "The Chemistry of Photographic Sensitising Dyestuffs."

A photographic emulsion, he said, consisted essentially of a colloidal suspension of a silver halide in a protective medium such as gelatin. Undyed silver chloride was sensitive exclusively to ultra-violet light, and silver iodobromide to the ultra violet or blue region of the spectrum. The use of dyes to increase spectral sensitivity of a silver halide emulsion was discovered by Vogel in 1873, but it was not until 1884 that a satisfactory sensitisier, erythrosin, was introduced commercially. The early sensitisers only extended the sensitivity of the silver halide into the green, and were known as orthochromatic. Panchromatic sensitisers were introduced at the beginning of the present century.

Cyanine, the first cyanine dye, was first prepared in 1856. Homologues, and the related isocyanines, followed in 1901, and an isocyanine prepared in 1902 was introduced commercially as ethyl red.

BY DYESTUFF

After the 1914-18 war, progress in the chemistry of the sensitising dyes was rapid, mainly as a result of the work of the N.S. School at Cambridge, and of the leading manufacturers of photographic materials in Germany, America and England. Sensitisers for the far-red, such as kryptofluorine, the pinacoflavols, cyanines derived from oxazole, thiazole, selenazole and pyridine, were prepared during that period. New intermediates led to the preparation of unsymmetrical dyes. The tricarbonyl cyanines, powerful infra-red sensitisers, were prepared in 1930. The independent discovery by I.G. Farbenindustrie and Ilford Ltd., of the reactivity of the thioether groups in heterocyclic quaternary salts, to the preparation of many new dyes, reaction of a thioether salt with a heterocyclic amino-compound, azacyanines were obtained, and these proved to be strong sensitisers for chloride emulsions.

Sensitising types on the basis of the electronic theory have been shown to consist of neutralised systems in which the anion and cationoid centres of the molecule are united directly by a chain of unsaturated units. The mode of action of cyanine dyes, however, has still to be elucidated.

MONSANTO RESEARCH LABORATORIES

Sir Ben Lockspeiser, F.R.S., M.I.Mech.E., F.R.Ae.S. (Secretary, Department of Scientific and Industrial Research), formally opened the Nickell Research Laboratories of Monsanto Chemicals, Ltd., at Ruabon, Denbighshire, on May 20.

INTRODUCING Sir Ben Lockspeiser at the opening ceremony, Dr. W. D. Scott, the company's director of research, said: "We are honoured to have Sir Ben Lockspeiser, the Secretary of the Department of Scientific and Industrial Research, with us. At the Ministry of Supply he has taken some outstanding work in aeronautical research. Hitherto, he has not into much contact with chemical research. Nevertheless, chemical research is getting nearer and nearer to physical sciences, and, therefore, we are honoured to have a distinguished physicist to open laboratories." The speaker then asked him to perform the opening ceremony.

BEN LOCKSPEISER, in the course of his speech said:—"I feel it a great honour and privilege to be invited to open new laboratories. Any new adventure is stimulating, but what is of most interest to scientists in a new scientific laboratory is the opportunity which it will afford to explore new fields and to try adventures. It is to science we are looking today to assist industry, to build our economic life, and to enable the country as a whole—to pay our in a highly competitive and technical

In the past we have led the world quality of the things we have made, important though it is—and I hope all never lose the special skill which enabled things of quality to be made—but not enough. Today we must make new products, and produce new materials and invent new processes. The of economic crisis which besets us is not well known to us all. We have faith in the future of the country: faith is not based on any easy optimism, but springs from the knowledge and realisation that we have encountered many situations in the course of our long history and we have overcome them successfully. If I were asked to name the best single factor in that success, I would say:—the quality of our people. The erection of these laboratories comes at an opportune moment. It is contribution of Monsanto Chemicals to the solution of our economic problems. It is an act of faith in

science itself: an act of faith in the young men and women who bring creative enthusiasm and energy, which is the prerogative of youth. It is an act of faith in the industry itself, based on science, to hold its own in the markets of the world. I rejoice in the type of building provided. It is obvious that care and foresight has been given to make it a place worth working in. The obvious intention of Monsanto Chemicals to care for the young men and women who have come to work here confirms my belief that the act of faith which the company has declared in the provision of these laboratories will be amply justified. It is my confident expectation that the work of the laboratories will contribute greatly and be a source of strength to the industry and that it will make a notable contribution to the economic life of the country. It is with this confident expectation that I have the honour and pleasure of performing the opening of these laboratories."

In a following ceremony, Mr. T. P. Berington, a director of the company, named the laboratories "The Nickell Laboratories" and unveiled a tablet which pays tribute to Dr. L. F. Nickell, chairman and managing director of the company from 1930 to 1948. The guests were then invited to inspect the laboratories.

Among the guests who were present at the opening ceremony and who attended the celebration dinner at Chester in the evening were representatives of many Universities, including the following:—Professors C. E. H. Bawn, Ph.D. (Liverpool); E. G. Cox, D.Sc., F.Inst.P. (Leeds); F. H. Garner, O.B.E., Ph.D., F.R.I.C., M.I.Chem.E., M.I.A.E. (Birmingham); W. E. Garner, C.B.E., D.Sc., F.R.S. (Bristol); C. K. Ingold, D.Sc., F.R.S. (London); M. G. Evans, F.R.S. (Manchester); E. R. H. Jones, D.Sc., Ph.D., F.R.I.C. (Manchester); R. P. Linstead, C.B.E., M.A., Ph.D., D.Sc., A.R.C.S., F.R.S. (London); J. H. Orton, D.Sc., F.R.S. (Liverpool); E. K. Rideal, M.B.E., M.A., Ph.D., D.Sc., F.R.S. (The Royal Institution); A. Robertson, M.A., B.Sc., Ph.D. (Liverpool); H. W. Thompson, M.A., B.Sc. (Oxford) and A. R. Ubbelohde, M.A., D.Sc. (Belfast).

A TOUR OF THE MONSANTO LABORATORIES

CONSISTING of a three-storied building, the Nickell Research Laboratories cover a superficial area of 16,000 sq. feet and contain nine main laboratories together with rooms for photography, refrigeration, glass-blowing, stores, conference rooms, instrument workshops and library. The building, consisting of a main block and two wings, is equipped throughout with every modern device and service including temperature-controlled rooms. Practically all the equipment and apparatus installed is of British manufacture. The laboratories are under the direction of Dr. W. D. Scott, with a staff of some fifty chemists and about the same number of technical assistants. The following is a summary of work undertaken in some of the laboratories.

Process Investigations Laboratories.—The investigations conducted in one laboratory are concerned with the development of new processes for the manufacture of products primarily with a functional character. Processes are also developed for new rubber chemicals and research is constantly devoted to improvement of existing products. The apparatus assemblies include a continuous unit for the study of reaction variables in the Friedel-Crafts' reaction. Electrometric titrations are employed for various analyses required in the course of investigations on plant product quality control. A study is also in progress on the use of various catalysts in the chlorination of substituted and unsubstituted aliphatics and aromatics. The research work carried out in the second process investigations laboratory is concerned with (a) the development of processes for new manufacture; (b) problems arising directly or indirectly from the manufacture of industrial chemicals, such as tar acids, synthetic phenol, chlorinated phenol, sulphuric acid, phthalic and maleic anhydrides, and phthalic esters of benzoic acid. A unit for producing alkyl phenols, a distillation column for the fractionation of tar acids and a polarograph for analytical work are operated. The third of the process investigations laboratories deals with problems arising in the production of fine chemicals. Essentially, the work is divided into two sections. First, the more important part of the work is to investigate problems arising in connection with maintenance and improvement of quality of intermediates and finished products and of raw material efficiencies. Apart from rigid chemical control of quality the physical

appearance of fine chemicals in particular represents a property which receives considerable attention to meet market demands. Secondly, development work is undertaken to investigate new processes, existing manufactures and for entirely new projects. In this respect, as in other process investigations laboratories, sufficient experimental data is obtained to issue a tentative process to enable the project to be evaluated by the engineering department.

Exploratory Physics Laboratory.—The work of this laboratory is largely of exploratory character. A limited amount of technical evaluation work is also carried out. In operation at the present time are: (a) Apparatus for measuring the wetting properties of liquids and contact angles at detergent-oil-solid junctions. (b) Examples of the methods of studying Syton (a colloidal dispersion of silicas) including electrophoresis and of typical results obtained with Syton in the textile industries. (c) Apparatus for measuring rubber oxidation and the change of electrical properties of the sample at the same time and a new stress-relaxation apparatus using electric strain gauges. (d) A new temperature control unit using a "thermistor" controlling a bath to $\pm 0.001^{\circ}\text{C}$.

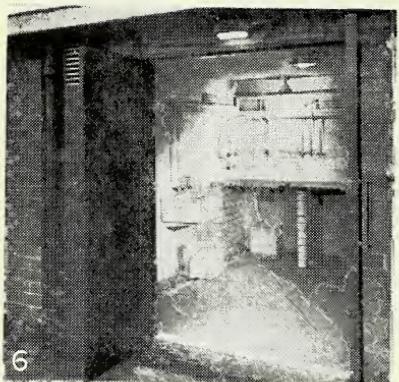
Exploratory Chemical Laboratory.—The problems under examination in this laboratory included: (a) Investigations of drocarbon oxidations in both liquid and vapour phases in order to get a clear picture of the mechanism involved and controlling factors; (b) examination of the mechanism of sulphoxidation and phosphochlorination reactions with a view to detergent production; and (c) investigation of the physical properties of detergents. The apparatus in this laboratory included:—(i) Apparatus for studying oxidation of hydrocarbons in the vapour phase over metal and metal-oxide catalysts by both static and dynamic techniques. On the frame was an apparatus for studying catalytic activity by measuring surface adsorption. (iii) A system for the reaction of SO_2 and chlorine gases with hydrocarbons to give products of value as detergents including a photo-electric (ultraviolet) meter for measuring chlorine content in the off gases. (iv) A modified Sugden "bubble pressure" apparatus.

Other laboratories visited included those concerned with work on physical chemistry; applicational investigations; rubbers and adhesives and silicon chemistry.

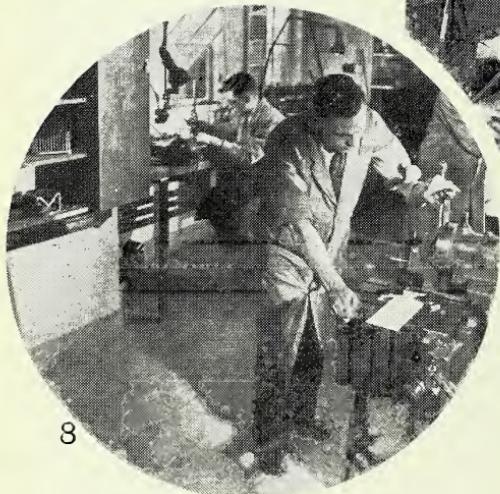
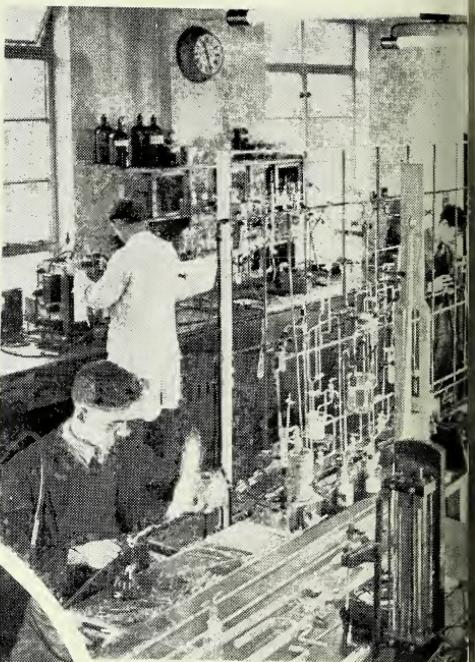


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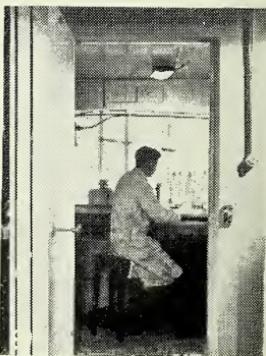
1. ebration dinner, Chester, after opening of Nickell laboratories.
2. m me morative plaque unveiled.
3. chairman of company (Mr. A. O'Neal) and Professor E. Garner.
4. Dr. W. D. Gott and Sir Benckespeier at the opening.
5. exterior view of laboratories.



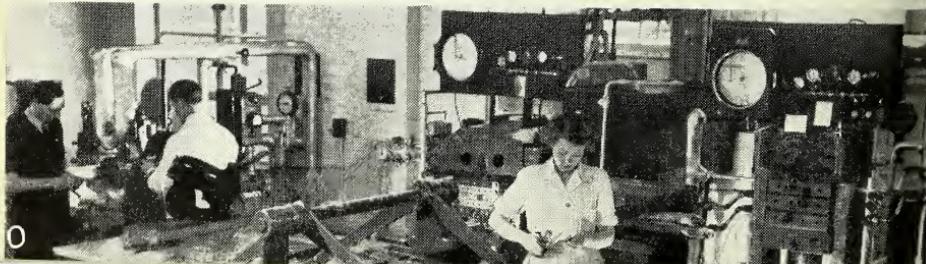
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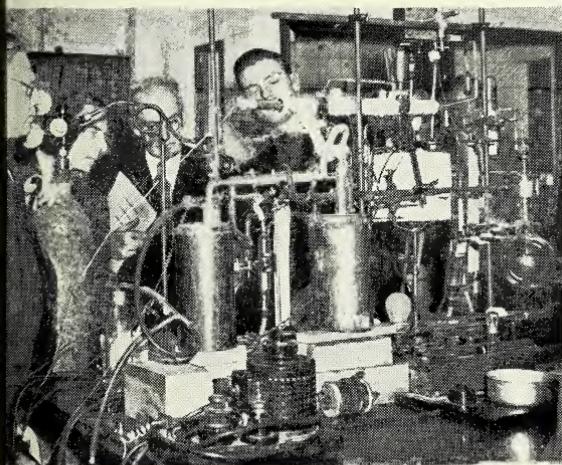
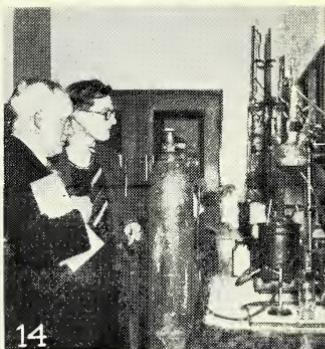
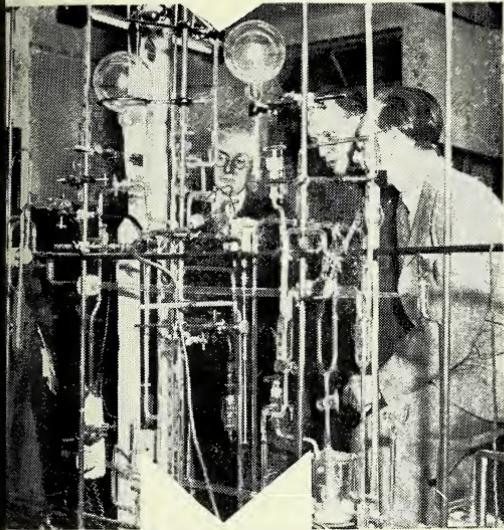


6. Rooftop laboratory for investigations involving poisonous or obnoxious products.
7. General view of the laboratory under Dr. Roebuck.
8. Instrument workshop for the construction of apparatus and prototypes of new designs.



9

OPENING OF THE NICKELL LABORATORIES MONSANTO CHEMICALS, LTD.



9. Refrigerated laboratory seen through the doorway.
10. Rubber research laboratory.

11. W. H. Kennett, Professors W. E. Garner and A. R. Belohde and Dr. D. S. Roebuck in one of the group research laboratories.

12. Ben Lockspeiser, Mr. W. H. Kennett, and Professor W. E. Garner with a member of the laboratory staff.

13. W. McG. Morgan with Mr. Kennett, Mr. S. C. Box and Ben Lockspeiser in the rubber research laboratories.

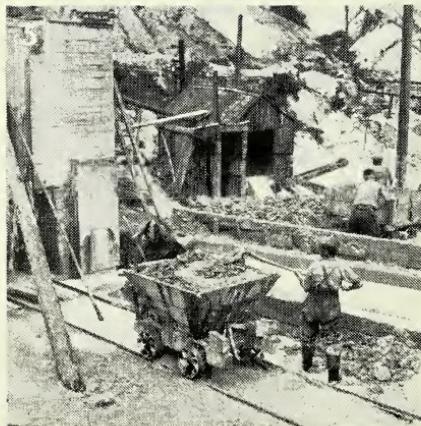
14. Professor Garner watches the progress of a laboratory operation.
15. Professor E. K. Rideal with a research worker in the Syton laboratory.

16. Conference in the physical laboratory.



CHINA clay, useful in a widening range of industries that includes drugs and cosmetics, is produced to the extent of 500,000 tons annually at pits in Devon and Cornwall. At the St. Austell pit illustrated (1) a high-pressure hose is directed at the clay (2). The resultant liquid runs into a sump, after which it is pumped into a sandpit for filtering and draining. The sticky residue is removed (3) dried and dispatched (4) to railhead or docks. As a material for export kaolin has the advantage that it can be spared—production is limited only in the main by fuel and labour considerations.

KAOLIN INDUSTRY OF CORNWALL



FLEXIBLE PACKAGING MATERIALS

[Concluded from THE CHEMIST AND DRUGGIST, May 28, p. 701]

EXHIBITORS of finished packages at the exhibition of flexible packaging materials that ended at Murray House, Petty France, London, S.W.1 on May 31, included WILLOW CLELAND, LTD. (cardboard cartons, labels and seals), COMPRESSED PAPER PACKING, LTD. (cork-lined sleeves interwoven with paper outers and three-ply moulded corrugated packing for the protection of bottles, etc.), JOHN DICKINSON & CO., LTD. (bags and wallets in paper, plastic film, Pilofilm and laminated foil). In their Dufex process, printed letterpress is applied to aluminium foil, giving a kinescopic colour-change effect with change of view-point. EBURITE CORRU-

can be impregnated and the outer cylinder printed on, and waxed or varnished), and BOWATERS FIBRE CONTAINERS, LTD. (corrugated paper products and cartons designed for particular purposes).

Protective Chemicals and Coatings

SHELL CHEMICALS, LTD., showed Shell VPI, for preventing corrosion of iron and steel between manufacturing stages, in transit and during storage. ANGLO-AMERICAN OIL CO., LTD., showed paraffin wax for impregnating paper or board to increase its resistance to the transmission of water vapour or moisture, and to render it translucent. J. M. STEEL & CO., LTD., showed Gloscoat, a synthetic hot-melt substance which forms a strippable plastic coating on articles dipped in it. The coating is waterproof, tough, translucent and exudes a film of oil which is left behind when the coating is peeled off. CLEAR GLASS PRODUCTS, LTD., showed Avigel GP, another hot-melt synthetic, strippable coating applied by dipping. Avigel S is intended for coating surgical and dental instruments.

Individual Packages and Processes

THE INTERNATIONAL CORPORATION, LTD., showed a rubber bladder of cubical shape produced to fit inside a normal fibreboard or plywood box. The rubber container holds 2 gall. of liquid, and the pack can be collapsed for return after use. TANKS & LININGS, LTD., featured the Nutrapac liner, a welded P.V.C. bag which fits loosely inside a metal drum, making such containers suitable for many corrosive substances and substances which must be kept free from contamination. TROPICALISATION & PACKING CO., LTD., showed a shock-absorbing pack developed for a container capable of maintaining a set temperature (low or high) for a period of one week and which could be sent through the post in this country or overseas. The container is a standard vacuum flask padded with sponge rubber, surrounded by a laced felt cover. The sponges are immersed in water and refrigerated before being placed in the felt cover and inserted. MR. JOHN BLACK, Beckenham, featured a new transfer process for producing durable designs or print on P.V.C. sheet. MR. CHARLES DAVIS, Neuilly-sur-Seine, France, showed a British invention for a pleated collapsible tube.



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 Chemists' Societies in the Empire.

LI JUNE 4, 1949 No. 3615

Atmospherics

Mr. J. Hearle, the chairman of the National Pharmaceutical Union, who presided at last week's Conference of Representatives of Pharmaceutical Committees, said that one of the purposes of the conference was to enable those present to report to their Committees on the atmosphere of the discussions instead of relying on the factual report put out by Central N.H.S. (Contractors) Committee. It may be permitted to record the general and even rather stormy conditions that prevailed. Members were incensed over two things. They wanted to know, first, why there had been such delay in bringing to the notice of Pharmaceutical Committees the state of affairs at the pricing offices, a period of up to twelve weeks (page eight) was needed to complete pricing (commenced in March as against 10 of the January prescriptions). Mr. Noble, who received an ovation in his first stage appearance as "principal," was able to produce a timeline of events to demonstrate that, far from being inactive, the N.P.U. had been bright and vigorous from the moment it became aware that the bureaux were in deep water.

While tempers quickly cooled on the issue, following that explanation, on condition directed against the Minister of Health, they remained high throughout the afternoon. What right had the Minister to alter the terms without the agree-

ment of the Contractors' Committee? Why had he not given three months' notice of the change of pricing method? These were the sort of questions to which members wanted answers. Even after Mr. Noble had quoted from the Regulations ("approved by the Minister after consultation with an organisation which is in his opinion representative of the general body of chemists") to demonstrate that Mr. Bevan had acted constitutionally, members felt—and, we think, pardonably—that they had been unreasonably treated. Admitting that the Minister was within the letter of the law, always previously it had been assumed that "consultation" implied agreement. What price the principle of "government with the consent of the governed?" Only by the exercise of considerable platform tact were some delegates restrained from inserting, in the resolution that eventually went forward, words that would have eased their feelings without having any practical outcome. The resolution as it stands makes clear that contractors are dissatisfied with the treatment they have had, but adds constructive suggestions on improving matters in the future. The principal improvement urged is the creation of more pricing offices, each serving one or a small group of Executive Councils. Mr. T. Heseltine, from his inside knowledge of the Central Pricing Committee, seemed to consider that the suggestion would be rejected from the start, on account of its extra cost. No figures were put forward, however, and it is legitimate to claim that, while local pricing offices might add to the number of relatively highly paid supervising officers, quite possibly that item would be more than offset by the opportunity given to the local offices of settling queries promptly by a mere local 'phone call. Indeed, many queries might be avoided by reason of the greater amount of local knowledge within the pricing office, which in any case could, with the assistance of the Pharmaceutical Committee, deal speedily with "illegible and ambiguous prescriptions," one of five causes of delay enumerated by Mr. D. Evans, Cardiff. Possibly little can be done at the moment about some of

the other points mentioned by Mr. Evans, though it is to be hoped that manufacturers will note the call for speedier publicity to be given to the prices of newly introduced proprietaries, and for packings of various makers' presentations of a given drug to be made uniform. The welcome given to an announcement that decimal-point pricing will end as soon as the new administrative arrangements can be introduced showed how the "damned dot" had rankled with contractors.

As Mr. F. C. Wilson pointed out, the present cost of pricing amounts to only a third of the sum the Minister is proposing to save on containers (by one of the methods now before contractors under a plebiscite). It is right that any system of pricing should be just, equitable, and prompt. Proposals have been put forward by the representatives to contribute towards making it so. On balance, provided adequate staffs are provided, the proposals may save public money. But even if they add slightly to the administrative costs, it is only fair that they should be operated on behalf of a class of professional workers under N.H.S. whom nobody has suggested are overpaid, and who are being asked to make a considerable financial sacrifice in the national interest.

Trade with India

THE suspension by the Government of India of Open General Licence No. 11 announced recently (*C. & D.*, May 14, p. 621) as a "preliminary and precautionary measure" is to be followed by a thorough revision of Indian "liberal import policy." Restrictions on imports from the sterling and other soft-currency areas were removed to a great extent in the latter part of 1948 when India's foreign exchange position eased. The increased supply of industrial goods which followed has helped to keep Indian prices stable and has checked inflationary tendencies in the country. Sterling balances, however, have been used up at a rate which has greatly exceeded the agreed rate of release of blocked currency for the present year and reports from Delhi say that Britain cannot agree to an additional release.

India's imports and exports have a gradual rise since the end of the but latterly imports have been increased and have resulted in a heavy balance of trade. That the Kingdom has an important rôle foreign trade of India is evident from the fact that during the first quarter of Britain sent India chemicals and drugs a total value of no less than £3,500,000 compared with £1,473,793 in the corresponding period of 1948.

Reviewing the overall position of recently, the Indian Commerce Minister said that in contrast with the decrease in imports from hard- and medium-currency areas, imports from soft-currency areas have shown a substantial increase in comparison with exports. This growing deficit in foreign trade is to be met by re-imports from hard- and medium-currency exchange resources or by borrowing from the suspension of Open General Licence is the natural outcome of this policy. At sight the measure is a severe deterrent to business but it is likely that the may be reintroduced soon for some time in the "essential" imports category. Importers to India are entitled to an statement from the British Governm

FIFTY YEARS AGO

Working Hours in U.S.

(From the *C. & D.*, June 3, 1898)

THE [U.S.] Bill for Shorter Hours has yet become law, and it is probable that Governor Roosevelt will veto the measure after all, on the ground that it is without the support of the druggists and generally. As a matter of fact, the trade of New York has nothing to do with the Maher Drug-clerks' Shorter Hours Bill. It was simply a measure originated from labour-union organisations merely what they can make out of them. The opposition of New York pharmacists and drug-clerks to this labour-union speculation has resulted in several associations being formed by members in the trade, the latest being the Pharmacists' Association, which has already enrolled 250 drug-clerks of this city who are opposed to the Maher Bill, and are petitioning the Governor to veto the measure. They propose to draft a . . . measur

PHARMACEUTICAL COMMITTEE REPRESENTATIVES DISCUSS PRICING

CONFERENCE of Pharmaceutical Committee representatives was held in London on June 25, at which 110 pharmaceutical firms were represented by 200 delegates. Mr. Joseph Hearle (chairman, Executive), who presided, was seated on the platform by the officers and members of the Central N.H.S. Contractors' Committee and of the Executive of the National Pharmaceutical Council.

Under N.H.S.

The main business of the Conference was to receive and consider a report on Health Service prescription-pricing developments (see *C. & D.*, May 28).

MR. HEARLE said that the Ministry of Health had decided to impose a scale of pricing based on a separation of prescriptions at 5s. net ingredient cost, effective from June 1. That decision would not be affected, so far as the immediate future was concerned, by any decision taken at the Conference. Although the Minister's decision could not be overruled by the Conference, however, the N.H.S. Committee felt it had a duty to report fully to Pharmaceutical Committees and to consult with their delegates on the issues it raised. The Conference then called on a consultative basis, to deal with any issue on which there was likely to be wide divergence between Pharmaceutical Committees. Hence representation had been given to minimise expense and personal inconvenience to delegates—to two representatives from each Committee. He hoped they would report fully to their Committees, especially on the atmosphere of conference, as distinct from the report the Central N.H.S. Committee had issued.

CHAIRMAN outlined the circumstances in which the Minister had decided further modification in the pricing system had become essential in order to prevent a complete breakdown in the pricing machine. The pricing of January prescriptions had commenced in pricing offices at the beginning of the month and in others by mid-March. That accordance with expectations held at the November 1948 Conference, it had been possible to clear

all 1948 arrears to enable the January 1949 pricing to commence in March was due in large measure to the energy with which the Joint Pricing Committee had tackled the job of co-ordinating the work of the pricing bureaux and making the best use of available pricing staffs. The November 1948 Conference had been told that, under the scheme to operate for the pricing of prescriptions for January 1949, and subsequent months, five to six weeks' pricing time would be required to price one month's prescriptions. Without an increase in the working capacity of the bureaux, arrears in pricing were inevitable with the split for full pricing at a 2s. 6d. net-ingredient-value level. By the end of March it was apparent that the pricing of January 1948 prescriptions was going to take longer than had been estimated, owing to complications introduced by the new scale of graduated fees and by the number and complexity of the prescriptions in the "over-2s. 6d." range.

Pricers' Difficulties

The fees were new to the whole of the pricing staff, and the variety of prescriptions in the "over-2s. 6d." range was something most of the pricers had not had to contend with in the period August-December 1948, when "under-5s." prescriptions had been paid for on an adjusted July-1948 average figure for the individual contractor. Various possibilities of minimising the load falling on the pricers had been investigated at the end of March and in early April, but on April 20, at a meeting of the Ministry of Health Pricing Working Party convened at a few days' notice, a detailed survey of the state of the bureaux in relation to January pricing had been presented for the first time. That report revealed that, in certain bureaux, January pricing would not be completed within twelve weeks and that a broad average of the time taken over all the bureaux would be at least eight weeks. The Central N.H.S. Committee representatives on the Pricing Working Party had reported back to the Committee on April 27; it had been agreed that arrears were building up at such a rate that some modification of the present system would become essential. Pharmaceutical Committees had been informed of the mat-

ter on April 28. On May 2, discussions had been resumed with the Ministry on what the modifications in the pricing system should be. It had not been possible to arrive at agreement, and the Ministry had in consequence decided to give notice to all contractors of an uplifting from 2s. 6d. to 5s. of the net-ingredient-value split for full pricing, operative from June 1. The Ministry agreed to issue a statement explaining and justifying the decision, and Pharmaceutical Committees had been advised of the development on May 5. On May 13, following further discussions within the Pricing Working Party, the terms of the Ministry's Statement were made available in draft, and on May 14 Pharmaceutical Committees were informed of its terms.

Averaging Accepted for February-April

The Central N.H.S. Committee, in an effort to prevent an already bad position from becoming worse, had agreed with the Ministry that the "under-2s. 6d." prescriptions for February, March and April should be priced on the individual contractor's January average for corresponding prescriptions, subject to an adjustment if it was justified by the results of a full pricing check in each bureau area. The possibility of applying an adjusted January average to "under-2s. 6d." May prescriptions would be investigated and, if it were shown that it could be applied equitably, it would be adopted as a further means of reducing pricing arrears.

In amplification of the chairman's remarks and in answer to questions from the floor of the Conference, MR. T. HESELTINE (chairman, Central N.H.S. Committee) and MR. H. NOBLE (secretary) made the following points:—

- (i) The Minister had acted strictly within the letter of the Regulations in giving notice direct to contractors of a change in pricing terms; having consulted the Central N.H.S. Committee, the Minister could take his own decision, even though agreement had not been reached, and could impose it without giving three months' notice. That he had done.
- (ii) Not less than 20 per cent. of "under-5s." prescriptions would be priced for each contractor each month (e.g., where, say, 700 such prescriptions were submitted, 200 would be priced). Any contractor with less than 100 such prescriptions would

have his prescriptions priced. In all cases the 5s.-and-over other "S" bundle prescriptions would be fully priced.

- (iii) The post-June 1 scheme following "under-5s." prescriptions involved no carry-over to a subsequent month of the contractor's average for an earlier month. The contractor should therefore work out equitably than had the scheme been operated August-December (and which, though also on a split at 5s., involved the forwarding of the contractor's average July average for "under-5s." prescriptions). Even the August-December 1948 scheme had operated a reasonable degree of equity assessed over the six months December 1948. A comparison of the fully-priced values and the averaged values of the account for the sample check in each bureau area, July-December 1948, showed that the margins of variation were approximately 5 per cent. up or down.
- (iv) A full pricing check, on a scale, would be maintained for comparison with the results of "under-5s." pricing under the post-June 1 scheme. Close consideration would be given to publication of the results of such comparative pricing over three months' period.
- (v) The Ministry of Health pays more and no less, in aggregate, under a system involving averaging methods of pricing than would be due to be paid under full pricing. The only saving to the Ministry would be in the lower pricing-bureaux.
- (vi) It had been agreed that pricing to the nearest 0.1d. should be discontinued so soon as the necessary revision of pricing charts, Drug Tariff and Drug Tariff ready reckoner had been effected. That revision was being carried out as quickly as possible by the Ministry.

From the debate it was evident that the delegates strongly resented the failure of the Ministry to provide, up to that date, a pricing bureau system capable of handling the volume of pricing work on a basis readily acceptable to contractors. Among the proposals put forward by delegates for future modification of the pricing system, so that the post-June-1

e withdrawn within the shortest time, were the following:—
ntractors to undertake their own pricing, either *in toto* or of the 6d.-and-over prescriptions.

der-2s. 6d. prescriptions to be paid for on an agreed flat rate and larger proportion than 20 per cent. the 2s. 6d.-5s. range to be priced full, with full pricing of all S-

ndle prescriptions.
ing bureaux to be decentralised, small bureau being set up for each Executive Council area or for small groups of contiguous Executive Council areas.

extended test to be made of the one involved in full pricing, compared with averaging systems.

spensing of nearest original pack proprietaries to quantity ordered prescriber to be authorised, and agreement made on that basis. bureaux to be provided with a consolidated up-to-date proprietary price list.

as stated from the platform that various proposals made would be decided or re-examined where they had been the subject of discussion, as in case with many of them.

debate concluded with the adoption, *con.*, of the resolution recorded in week's issue of the *C. & D.*.

Container Allowance

CHAIRMAN reviewed the development that had led up to the plebiscite of votes upon the alternatives of a revised modified deposit system or of a change in the container allowance to cover prescription. A measure of support was forthcoming from delegates for the alternatives. The only unanimity was between both courses as involving contractors in direct or indirect loss. Particular objection was raised to applying a deposit system to drop bottles. THE MAN ruled that no vote should be taken as the Conference was not convened to vote on such an issue. A suggestion was made to take a show of hands, and to delegates on where the balance of opinion lay in the Conference, proceeded with.

Ministry of Health was reported to have approached the Central N.H.S. Committee for a revision of the agreement on the buying quantity on which Drug

Tariff prices are fixed for tablets and capsules. The Ministry considers the present buying quantities too low because:—

- (a) The original buying quantities were fixed at a time when the Drug Tariff price was the full price paid (i.e., before the principle of an oncost was conceded).
- (b) The quantities have never been revised to take account of the changed methods of medication, resulting in tablets and capsules being an ever-increasing proportion of all prescribed medicines.
- (c) No account has yet been taken of the effect on buying of the increased number of prescriptions being dispensed by chemists under the N.H.S. scheme.

The Central N.H.S. Committee had agreed in principle to a revision of the buying quantities of certain of the tablets and capsules, and would negotiate with the Ministry on its proposals, bearing in mind, in so doing, variations between business and business even in the same neighbourhood. The matter was reported to the Conference as being indicative of the intentions of the Ministry to limit expenditure on the National Health Service.

Dispensing Packs of Proprietaries

There would be no automatic assumption in pricing May and June N.H.S. prescriptions, it was reported, that any prescription had been dispensed from a non-taxable dispensing pack of a proprietary preparation marketed under the purchase-tax exemption that first came into practical effect at May 2. For July and subsequent months, the Ministry wanted to secure an agreed list of products for which special non-taxable dispensing packs were available, and which were in sufficiently general demand to justify an assumption, for pricing purposes, that dispensing had been carried out from a dispensing pack. In agreeing any such list, the Central N.H.S. Committee would keep carefully in mind the varying and often localised demands for a particular product, and would seek safeguards for contractors experiencing demands too small to justify taking into stock a dispensing pack of a particular listed product. The Conference insisted that, not only in connection with dispensing packs, but also for ordinary proprietary packs, the "broken bulk" provisions of Clause 15 of the Drug Tariff must be maintained.

Bulk Prescribing for Institutions

A report was given on the completed discussions with the Ministry over bulk-prescribing for residents at schools and institutions, a matter on which an interim report had been made to Pharmaceutical Committees on April 5. A regulation to give effect to the decisions would be issued shortly; under the regulation it would be possible for a general practitioner to give, on an E.C.10 form, a "bulk" prescription, for National Formulary preparations only, for the use of persons resident in a school or institution, subject to there being not less than twenty such residents, at least ten of whom were on the medical list of the prescribing doctor. Instead of the patient's name the prescriber would give the name and address of the school or institution, and the number of persons for whom the prescription was given. No surgical dressings or appliances, scheduled or otherwise, nor any drugs and preparations outside the N.F., 1949, could be ordered on such bulk prescriptions. Prescriptions on which non-permitted items were included should be referred back for prescriptions to be written for named individual patients. The chemist would not receive payment if he supplied dressings, appliances or non-Formulary drugs and preparations on a bulk prescription. The basis of payment for bulk supplies of Formulary preparations would be the normal Drug Tariff basis for prices, oncost and fees; the prescriptions would be fully priced, irrespective of net ingredient values. A question was raised as to the allowances that would be made for the large-size containers (Winchesters, etc.) that might be required for such supplies; it was agreed that special arrangements were necessary, and that the matter should be pursued with the Ministry.

Control of Advertising under N.H.S.

It was reported that the Ministry wanted to control effectively the advertising of N.H.S. pharmaceutical services. The matter had been raised initially on the need (in the public and professional interests) to control advertising by certain contractors (not chemists) exhorting the public to get particular types of appliances ordered on E.C.10 forms. There had been general agreement in the Central N.H.S. Committee that that type of advertising should be controlled. When the discussions on control had been extended

by the Ministry to cover general advertising of N.H.S. pharmaceutical services, it had not been possible to maintain unanimity of opinion in the Committee on the measure of control necessary or desirable. The Ministry had been informed that a unanimous view could not be easily obtained, and that a request had therupon consulted directly the interests represented in the Central Pharmaceutical Committee (National Pharmaceutical Union, the public companies owning pharmacies, and the Co-operative interests), each had indicated its views on what measure of control was justifiable, and that consultation it appeared likely that the Ministry of Health would frame a Control Regulation and would lay it before Parliament. A request that an interim Control Regulation should be submitted to the Central N.H.S. Committee had been

Co-operation with other Professions

Under "other business," a motion was carried that the N.P.U. Executive should take the initiative in seeking to set up a committee representative of the various professions engaged in the Health Service for joint action in defence of the interests of the professions, was moved by Mr. W. WHITAKER, Southampton, and seconded by Mr. H. M. HIRST, N. Riding. Although the view was expressed from the platform that past experience indicated little likelihood of any one profession being prepared to make a stand to resist an attack on interests other than its own, the Conference adopted the following resolution by a small majority (and with a substantial number of delegates abstaining).

That this Conference instructs the Executive to approach the other professional organisations concerned in the operation of the National Health Service with the object of forming a joint committee to defend the interests of those engaged in the Service.

The Conference closed at 5 p.m. with a vote of thanks to the chairman and secretary and with a unanimous resolution that an expression of good wishes be conveyed to Mr. G. A. Mallins on his future health and happiness.

Headache Cure, New Style.—Dr. H. Rankin commented that for common headache nowadays it seemed to be necessary to prescribe glasses. "Previous treatment should have been a course of aspirins."—*From a report of a Derby Executive Council meeting in the "Derbyshire Guardian."*

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

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NG of the Council of the Pharmaceutical Society of Northern Ireland was Belfast on May 20, the president (Mr. H. Cowzer) in the chair. Also were Messrs. P. R. W. Shinner (president), S. E. Campbell, F. R. J.P., J. Irwin, W. H. Boyd, W. P. H. W. Gamble, John McGregor, Dowell, Walter C. Tate, C. Abernethy and Professor E. B. C. Mayrs, M.D. William Gorman (secretary) was in attendance. Apologies for absence were received from Messrs. H. F. Moore (treasurer) and H. P. Crossin.

SECRETARY reported that the attention of the pharmacy inspector had been drawn to an entry in a telephone directory in which the title "chemist" had been placed against the name of a person not qualified as such. A reply had been received from the publisher to the effect that son was a director of a pharmacy company that had been associated with his son error; the mistake was to be rectified in the next edition of the directory receipt of a sum of 13s. 4d. (two-thirds of a fine imposed on a defendant tried at Bangor Petty Sessions) was paid. On the recommendation of the Education Committee it was decided to award certificates of apprenticeship to the Anna Wilson, Dromore, Anne Keady, and Mary Hendron, own.

Films

A discussion took place on the programme of lectures, etc., for the next winter session and it was decided that instructions should be made as to what instructional films were available for use with the society's projector. It was also suggested that a basic library should be built by the purchase of films of a type likely to become out-of-date. For the winter programme it was agreed that subjects of more general interest and application should be included.

The pharmacy inspector (Mr. J. N. Patterson) attended to support a letter from the Ministry of Home Affairs in which attention was drawn to amendments to the Schedules and Regulations in Britain and asking whether it was the opinion of the Council that similar amendments should be made in Northern Ireland. The substances concerned were

Heptalgin, dinitrocresols and phosphorus compounds and it was agreed that the Ministry should be recommended to make the same changes. Heptalgin is accordingly to be added to the First Schedule and Fourth Schedule; and dinitrocresols for use in agricultural and horticultural insecticides are to be omitted from the First Schedule. In reply to questions, Mr. PATTERSON said a regulation had been drafted that would clarify the term "repeat" when used in prescriptions. It would provide that where no other directions were given, prescriptions should not be dispensed more than three times and that otherwise they should not be dispensed more often than once in three days. When it was suggested that doctors should limit their prescriptions for drugs of the phenobarbitone type, the inspector advised that this could not be done by law but that, if chemists in any area thought that doctors were too liberal, they should approach the doctors direct.

Suggested Meeting with Medical Faculty

MR. PATTERSON also said that as the Medical Faculty of Queen's University, Belfast, had not agreed to the lifting of restrictions on sulphonamide dressings and ointments, these could still be supplied only against prescriptions. Mr. McDOWELL suggested that consideration should be given to a meeting with the Faculty of Medicine of the University, at which the medical representatives could be made aware of the pharmacist's difficulties in the case of sulphonamide dressings and ointments. The inspector mentioned that a direction was being given that health visitors were not allowed to prescribe or suggest the use of penicillin.

Prevention of Laboratory Accidents.—A twenty-two page booklet entitled "Safety Measures in Chemical Laboratories" has been published by H.M. Stationery Office, Kingsway, London, W.C.2, price 6d. each. Designed originally for newcomers to the chemical research laboratory of the Department of Scientific and Industrial Research, and later approved by the Chief Inspector of Factories and the Ministry of Labour, the booklet deals with precautions in general laboratory operations (handling glass tubing, boring corks, vacuum distillation, etc.), fire and electrical risks and dermatitis.

STOCK EXCHANGE PRICES

Quotations are the average for the days stated.

£1 unit unless otherwise stated	Apl. 29	May 30	£1 unit unless otherwise stated	Apl. 29
Albright & Wilson, ord., 5s. ...	30 0	30 0	s. d.	s. d.
Allen & Hanburys, pref'd. ord. 7% cum.	32 6	32 6	Ilford, ord. stock, 5s.	26 10
Amber Chemical, ord., 2s. ...	7 0	7 0	Imperial Chemical Industries, ord.	46 10
Amber Chemical, 5% cum. pref.	25 0	25 0	Imperial Chemical Industries, 7% cum. pref. stock	35 3
Ascots Pharmacies, ord. stock, 5s.	5 0	5 0	International Sponge Importers, ord. stock, 5s.	4 9
Aspro, ord. stock, 5s. ...	26 3	22 6	Kent, G. B., & Sons, 5% cum. ptpg. pref. 12s. 6d.	15 0
Beecham Group, defd., 2s. 6d. ...	16 3	15 0	Kershaw, A., & Sons, ord., 1s. ...	1 1
Beecham Maclean Holdings 4% red. cum. pref.	20 7½	21 0	Kleeman, O. & M., ord. stock, 1s.	15 6
Boake, Roberts, ord., 5s. ...	32 3	32 6	Laporte Chemicals, ord. stock ...	19 4
Boots (Eastern) "A" pfd. 6% cum.	31 0	31 0	Lever Brothers & Unilever, ord.	45 0
Boots (Western) "A" pfd. ord. (7% non-cum.)	36 6	36 6	Lewis & Burrows, ord. stock ...	30 0
Boots Pure Drug, ord., 5s. ...	54 0	53 0	Lewis & Peat, ord., 1s. ...	1 6
Borax Consold., defd. ord. stock	53 1½	53 0	Leibig's Extract of Meat, ord., £5	265 0
British Alkaloids, ord., 1s. ...	5 6	4 9½	Macleans, 4% red. cum. pref. ...	21 3
British Chemicals & Biologicals, 4% cum. red. pref.	20 3	21 0	Mellin's Food, 6% cum. pref. ...	6 3
British Drug Houses, ord., 5s. ...	8 0	7 3	Milton Antiseptic, ord., 1os. ...	20 0
British Emulsifiers, 2s.	9 0	9 0	Mono Containers, 5s. ...	16 3
British Glues & Chemic., ord., 4s.	18 3	19 6	Monsanto Chemicals, ord., 5s. ...	57 6
British Industrial Plastics, ord., 2s.	6 0	4 9	Pears, A. & F., 5% deb. stock, irred.	130%
British Optical & Prec. Eng., 5% 92½% cum.	94½%	94 0	Pest Control, ord., 5s. ...	8 0
British Oxygen Co., ord. stock ...	100 0	96 0	Potter & Clarke, ord., 1s. ...	3 6
British Xylonite Co., ord. stock	100 0	80 0	Reckitt & Sons, ord. stock ...	112 6
Brotherton & Co., ord.	-	21 0	Rolls Razor, pref'd. ord., 1os. ...	22 6
Burt, Boulton & Haywood, ord.	27 6	27 9	Sangers, ord. stock, 5s. ...	32 0
Bush (W. J.), & Co., ord. ...	82 6	80 0	"Sanitas" Trust, ord., 1os. ...	26 3
Camwal, ord.	20 7½	20 9	Savory & Moore, 5½% 1st red. cum. pref. stock	23 6
Cooper, McD. & Robertson, ord.	32 6	30 0	Sherley, A. F., & Co., 8% cum. pref'd. ord.	22 6
Cow & Gate, ord. stock, 1s. ...	2 9	2 9	Smith & Nephew Associated Cos., ord., 4s.	18 3
Cow, P. B., & Co., ord. stock, 4s.	5 7½	5 6	South African Druggists, ord., 5s.	15 0
Crosfield, J., & Sons, 5% cum. pre-pref.	26 3	26 6	Southalls (Birmingham), stock, 5s.	42 6
Cussons, Sons & Co., ord. stock 2s.	14 0	17 0	Spa Brushes, ord., 2s. ...	4 3
Distillers, ord. stock, 4s.	27 6	26 9	Sternol, 8% cum. ptpg. pref'd. ord., 1os.	15 7½
Dubarry Perfumery Co., ord., 1s.	4 3	4 0	Stevenson & Howell, ord. stock, 5s.	25 0
Dunlop Rubber Co., ord. stock ...	67 0	63 0	Taylors, Cash Chemists, London, 6% cum. pref.	28 9
Energen Foods Co., ord., 2s. ...	8 6	10 0	Taylors, Cash Chemists, Trust, 6% cum. pref.	28 9
Eno Proprietaries, 5½% cum. pref.	24 4½	23 6	Taylors Drug Co., 7% "A" cum. pref.	32 6
Eucryl, stock, 2s.	4 9	4 9	United Glass Bottle, ord. stock ...	72 6
Evans Medical Supplies, ord. stock	41 3	42 0	Veno Drug Co., 12% cum. pref'd. ord.	35 7½
Field, J. C. & J., ord., 1os. ...	29 4½	29 3	Virol, ord.	72 6
Fisons, ord. stock	50 0	47 0	Viscose Development Co., ord. stock, 5s.	10 0
Fisons, 4½% cum. pref.	23 6	24 3	Vitamins, 1s.	4 7½
Galloway, P. H., ord., 2s. ...	4 0	4 0	Wesley, Harold, 5s.	15 7½
Gillette Safety Razor Co. shares (no par value)	847.50	846.00	Whites (Timothy) & Taylors, ord. 5s.	35 0
Glaxo Laboratories, ord. stock, 1os.	450 0	450 0	Whites (Timothy) & Taylors, 7½% cum. pref.	37 6
Glaxo Laboratories, 8% cum. pref'd. ord. stock, 1os.	19 8½	19 9	Wright, Layman & Umney, 7% cum. pref.	31 3
Gossage, W., & Sons, 5% 1st. cum. pref.	26 3	26 3	Yardley & Co., ord., 4s. ...	57 6
Greeff-Chemicals Holdgs., ord., 5s.	12 9	12 9	Yardley & Co., 2nd pref. (cum.)	23 3
Griffiths Hughes Proprietaries, ord.	26 3	21 0		
Hampshire, F. W., stock, 5s. ...	73 9	81 0		
Hirst, Brooke & Southon, ord. 4s.	4 6	4 10½		
Horlicks, stock, 5s.	28 9	28 6		
Hovenden, R., & Sons, 7% cum. "A" pref.	26 3	27 3		
Iridis, "A" ord.	38 9	38 0		

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Council Candidates' Thanks

S.—May I through the courtesy of C. & D. thank all those who gave me help and support in my recent candidature for election to Council. P. South. A. G. MERVYN MADGE.

S.—I should be grateful if you would allow me to acknowledge, through the D., my sincere thanks to all the members who voted for me in the recent general election.

London, S.W.1. W. E. STOKES.

S.—May I, through the medium of our journal, be permitted to thank those members of the Society who supported my candidature at the recent Council election resulting in my return to fill the vacancy caused by the retirement of Mr. Davis.

Hove, 3. DONALD W. HUDSON.

S.—May I thank, most sincerely, the members of the Pharmaceutical Society who supported me in the recent Council election? I am greatly encouraged by the confidence reposed in me and will endeavour at all times to work for the betterment of our profession.

London. THOMAS REID.

Averaging in Scotland

—Since writing you on "averaging" (see C. & D., May 28, p. 719), I learned that a proposal has been forwarded to local Pharmaceutical Committees in Scotland that they should consider "modified" methods of pricing "as a temporary measure." The matter is to be considered again towards the end of the year. Whilst insisting that it is open to anything except pricing in full, Standing Committee states that, in order to overcome the ever-increasing costs, some modification of the present method will have to be considered. In other words, my Scottish friends, we are asked to try out a system which has been tried out in England and found unsatisfactory. The Government was amply justified in pricing in full would require considerable additions to staff and premises, but even after twelve months made only a very small and ineffectual contribution to either. Now we are asked to them out of the difficulty.

R. S. WHITELAW,

Rural Area Dispensing

SIR.—As a pharmacist in a rural area may I draw attention to the anomalous position of such as I. The bulk of the surrounding population draw their medicines from the local medical practitioners. Patients even within the mile limit find themselves, unwittingly, on the doctors' lists, and who will argue with his medical adviser. The doctors' dispensing is effected in my area by people none of whom have any qualification for the art they profess to practise. Awkward prescriptions are referred to the local pharmacist yet my dispensing is liable to testing and those people can hand out anything without supervision (Schedule 4, D.D.A.—it matters not). It is not a question of convenience for these rural patients, as in many cases the "surgeries" are adjacent to pharmacies. The whole question of rural dispensing needs revision.

SMALL TOWN.

COMING EVENTS

Wednesday, June 8

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS. Visit to Chester Zoo, leaving Woodside by bus at 2.5 p.m.

Thursday, June 9

LONDON CHEMISTS' GOLFING SOCIETY. Fixture at Sudbury Golf Club (Telephone: Wembley 0218). REIGATE AND REDHILL PHARMACISTS' ASSOCIATION. Castle Hotel, Reigate, at 7.30 p.m. Annual meeting. Address by Mr. F. C. Wilson (secretary, Surrey Pharmaceutical Committee, and member of Pharmaceutical Society's Council).

WESTERN [LONDON] PHARMACISTS' ASSOCIATION. Visit to Allen & Hanburys, Ltd., Ware, leaving Allsop Place, London, W.1, at 1.45 p.m.

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, is organising visits to the Wellcome Chemical Works, Dartford, on Wednesday, June 15, and Thursday, June 16, meeting at the works entrance at 2.30 p.m. Applications to Mr. G. H. Sheard, 267 Amies Road, Dartford (Telephone: Dartford 4110) by June 7.

THE ULSTER CHEMISTS' GOLFING SOCIETY will hold its McMullan Cup competition at Royal County Down course, Newcastle, co. Down, on June 9. A bus will leave Union Hotel, Belfast, at 9 a.m. A stroke competition for wholesale members will be held. Entries should be sent to the secretary, c/o Oriel Pharmacy, 363 Ormeau Road, Belfast.

DUBLIN PHARMACISTS AND STUDENTS will hold their annual summer outing to Killiney Castle Hotel, on June 12. Cyclists are requested to meet at Carlisle Buildings at 2.30 p.m. Tickets (including high tea and dance) 5s. each, may be obtained from any committee member. (Committee members will be at Carlisle Buildings at 2.30 p.m.).

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale ties of standard quality. Prices of crude drugs and essential oils vary as to brand

28 Essex Street, W.C.2, June 1

BUSINESS in the PHARMACEUTICAL CHEMICALS market continues on routine lines. Demand for home consumption is no more than average while business for shipment to overseas markets is confined to a limited range of products, with PENICILLIN in good demand at competitive prices. A revised range of home trade prices for COCAINE and SALTS is notified, which came into operation on June 1. British makers notify a reduction of 10s. per cwt. in their prices for TARTARIC ACID as from May 30. In other directions quotations continue steady. There has been no improvement in the home trade demand for the majority of CRUDE DRUGS but some few items are meeting with a fair inquiry. A good volume of export inquiry is coming to hand but, owing to currency difficulties and import licensing restrictions, particularly in Continental countries, business is slow in maturing. There has been a sharp marking-up of prices for CHILLIES and the market seems likely to be going to still higher figures on a very limited supply on spot. With very little Portuguese ERGOT on spot and with but very few offers from origin—the price indicated being 8s. per lb. c.i.f.—the market is firm. French GENTIAN is a point dearer on spot on the week. The spot market for MENTHOL continues very firm. While there is not much home trade demand inquiry for shipment is fairly brisk. The spot value for Brazilian oil is fully 60s. per lb. A few offers of limited quantities from the source at 58s. per lb., c.i.f. There is again no trace of shipment prices for new crop SENEGA; a similar lack of shipment offers is noted for CASCARA SAGRADA. Conditions in the ESSENTIAL OILS market are quiet but steady. Spot values of West Indian LIME are moving up with not much material offering. Reports from the source indicate that shipments of this oil have finished until the new crop oil is ready.

U.S. Drug and Chemical Report

New York, May 27.

MERCURY has been reduced two dollars per flask—making the metal at \$81 a flask. The demand for mercury in the United States continues limited and stocks have been piling up as a result of the volume of imports in recent months. Further sharp increase in the quotation for MENTHOL is reported. This product had been marked up from an inside price of \$9.50 to a minimum of \$10.00 per lb. Despite the increases on the New York market, it is reported that prices quoted on imme-

diate shipments from Brazil, i duty, freight, insurance and other are at least 60 cents per lb. higher while, more export inquiries have ported as a result of the lower pr vailing on the New York market. for STREPTOMYCIN and PENCILL overseas has been maintained but domestic market the latter product competitive position and some m turers have shaded prices to m situation. A greater consump VANILLA BEANS in the United S expected to result from the recent of the market in Madagascar. The beans has now reached \$3.25 here, and at the lower levels it is that some vanilla substitutes eliminated. Domestic consumers nicals are limiting their purchases t dinate requirements. However, an inquiry from Europe is reported brought about a better demand fo items, while recent statements ma on the use of DDT have resulted i inquiries for such insecticides as THRUM FLOWERS. The tone of the tial oils market is reported firmer, l is attributed more to a threatened supply in some items rather than greater demand. However, season fluences have contributed to the strength of flavouring oils while inquiries for PEPPERMINT have resu the arrest of the recent easier trend product. LIME prices are expected higher in view of the fact that ol produce is virtually exhausted.

Exchange Rates on London

Bank of England fixed rates at the ing on Wednesday morning were:—

Centre	Quoted	F
*Alexandria ...	Piastres to £ 97½	1
Amsterdam ...	Florins to £ 10.68	.70
*Bombay ...	Shillings to rupee 1·51½	5½
Brussels ...	Francs to £ 170½	6½
Copenhagen ...	Kroner to £ 19.32	.36
Dutch East Indies	Florins to £ 10.68	.70
Dutch West Indies	Florins to £ 7.59	1
*Hong Kong ...	Shillings to \$ 1·2 4½	1·2 4½
Lisbon ...	Escudos to £ 99.80	1·20
Montreal ...	Dollars to £ 4.02½	3·30
New York ...	Dollars to £ 4.02½	3·30
Oslo ...	Kroner to £ 19.98	.02
†Paris ...	Frances to £ 1.000	1
Rio de Janeiro ...	Cruz to £ 75	1
*Singapore ...	Shillings to \$ 2·4	1
Stockholm ...	Kronor to £ 14.47	.90
Zurich ...	Francs to £ 17.34	.96

* Free market rates

† Forward francs 1 fr. either side par per m h

Pharmaceutical Chemicals

ANILIDE.—Quotations for 1-cwt. kegs are at 2s. 1d. per lb. for crystals 2s. 2d. for powder.

AMMONIUM CARBONATE.—Lump, B.P., 1 lb. lots, packed in casks, is quoted at 4s. per ton. **BICARBONATE**, B.P., in lots, packed in non-returnable drums, at £40 per ton.

BITIC ACID.—Makers' quotations for pharmaceutical quality are from 2s. to per lb., as to quantity.

BYL BENZOATE.—Quiet. B.P. is from 4s. 3d. to 5s. per lb., as to weight.

BUTH.—Home-trade rates in 1-cwt. lots: **CARBONATE**, 14s. 5d. per lb.; 12s. 1d.; **SALICYLATE** and **SUBT.**, 12s. 4d.; **SUBGALLATE**, 15s. 4d.

BUX.—Rates for B.P. are unchanged: Granular, £38 per ton; powder, 10s.; powder, extra fine, £40 10s.; £39. Rates for commercial grades (per cent.) are: granulated, £27 10s.; 5s., £30; powder, extra-fine (or 5s. per cwt. more than the foregoing rates. Carriage paid (minimum 1-ton lots) in the U.K.

CACIC ACID.—Rates for B.P. grades are given as follows: Granular, £60 per powder, £62; powder, extra fine, £64; £61. Rates for commercial are: ar, £48 per ton; powder, £51; powder fine (or crystal), £53. Smaller quantities are from 1s. to 5s. per cwt. than the foregoing rates. Carriage minimum 1-ton lots) in the U.K.

COPROPHYLLO.—Pharmaceutical quality at 60s. per lb.; soapmakers' grade at 17s. 6d. per lb.

CAINE.—The following revised standards and terms of sale came into operation on June 1. **ALKALOID CITRATE**, bottles, $\frac{1}{2}$ -oz., 65s. 6d.; 62s.; 1-oz., 60s. 6d.; 2-oz., 59s.; 58s.; 8-oz., 57s. 3d.; 16-oz., 54s. 4d. 25-oz., 53s. per oz. **HYDROCHLORIDE**, and **SULPHATE**, bottles, $\frac{1}{2}$ -oz., $\frac{1}{2}$ -oz., 55s. 3d.; 1-oz., 53s.; 2-oz., 1d.; 4-oz., 51s.; 8-oz., 50s. 6d.; 16-oz., 48s. Tins, 25-oz., 46s. per oz. Pack-free, net, monthly account, carriage

CHETINE.—Steady. Makers' rates per lb. are as follows: **HYDROCHLORIDE**, 1 oz., 4 oz., 180s.; 16 oz., 177s. 6d.; 32 oz.; **BISMUTH IODIDE**, 1 oz., 96s. 6d.; 95s.; 16 oz., 93s. 6d.; 32 oz., 92s.

COPHOSPHITES.—Makers' rates per lb. lots are: **AMMONIUM**, 9s. 3d.; 6s. 3d.; **CALCIUM**, 4s. 11d.; **IRON**, 1m. 6s. 3d.; **MAGNESIUM**, 7s. 9d.; **MANGANESE**, 6d.; **POTASSIUM**, 6s. 1d.; **SODIUM**,

PHOSPHATES.—Steady. Makers' rates per lb. are as follows:—**SODIUM**, B.P., 1 cwt., 6d.; 28 lb., 7½d. **SODIUM ACID**, B.P., crystals, 1 cwt., 1s. 9d.; 28 lb., 2s. **POTASSIUM**, granular, 4s. 2d.; powder, 4s. 5d. (for 7-lb. lots). **AMMONIUM**, B.P.C., 1 cwt., 2s. 6d.; 28 lb., 2s. 10d. **PHOSPHORIC ACID**, B.P. (concentrated), is from 1s. 2d. to 1s. 3d. in carboys and from 1s. 5d. to 1s. 9d. per lb. in winchesters.

PILOCARPINE.—Makers' prices are unchanged. Rates per oz. are: **ALKALOID**,—1 oz., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. **HYDROCHLORIDE**,—1 oz., 34s. 9d.; 4 oz., 33s. 3d.; 25 oz., 32s. **NITRATE**,—1 oz., 33s. 3d.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

PYROGALLIC ACID.—Quotations for CRYSTALS are: 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. **RESUBLIMED** is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

ROCHELLE SALT.—Rates per cwt. for powder or granular salt are: 5 cwt., 130s.; 1 cwt., 132s. 6d. Crystal is 2s. 6d. per cwt. more than the foregoing prices. **SEIDLITZ POWDER**, ordinary, is now 103s. 9d. per cwt.; extra strong, 111s. 6d. per cwt.; double strength, 116s. per cwt.

SALICYLIC ACID.—Makers' quotation for 1 cwt. is 2s. 2½d. per lb.; scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. (containers in brackets) are: 2s. 10½d. (1-lb.); 2s. 9½d. (2-lb.); 2s. 9d. (4-lb.); 2s. 8d. (7-lb.); 2s. 7½d. (14-lb.); 6s. 6d. (28-lb.). Net one month.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are from 7s. 6d. to 8s. per lb.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb. 7s.; 1-cwt., 6s. 6d.

SODIUM LAURYL SULPHATE.—B.P. material is quoted at about 8s. 6d. to 9s. per lb. for small quantities. **EMULSIFYING WAX** is available at 6s. to 6s. 9d. per lb.

SULPHONAL.—Quoted from 44s. to 53s. per lb., as to quantity.

SULPHANILAMIDE.—Steady. Prices are as follows: 5 cwt., 6s. 3d.; 1 cwt., 6s. 6d.; 28 lb., 6s. 10d.; 14 lb., 7s.; 7 lb., 7s. 9d. per lb., net; packing extra.

TARTARIC ACID, B.P.—British makers notify a reduction of 10s. per cwt. in their prices, as from May 30. The current scales are:—10 cwt. and over, 170s.; 5-9 cwt., 172s.; 2-4 cwt., 174s.; 1 cwt., 176s. per cwt., delivered.

THYMOL, B.P.—Makers' prices are from 17s. 6d. to 18s. 6d. per lb., as to quantity.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

Crude Drugs

ACONITE.—Indian, on the spot, is offered at 275s. per cwt.; *napellus*, quoted at 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Business quiet, values steady. Kobé strip from 13s. 6d. to 15s. 9d. per lb., according to quality. South African powder, in tins in cases, 20s. per lb., spot.

ALOES.—Values unchanged, business small. Prime Cape on spot, from 110s. to 115s. per cwt.; forward, 105s., nominal, c.i.f.; f.a.q. from origin, 96s., c.i.f. Curaçao, 185s. per cwt. Socotrine, 170s. per cwt., spot.

ANTIMONY.—Metal prices are: 99.6 per cent. regulus, £210 per ton, delivered; 99 per cent., £200; 70 per cent., crude, £165.

ARECA NUTS.—Ceylon on the spot are quiet at about 57s. 6d. per cwt.

ASAFETIDA.—Persian block on spot is steady at prices from £14 10s. to £24 per cwt., according to grade.

BALSAMS.—*Canada* is quoted at 16s. to 18s. per lb., on spot; to come forward, 15s. 6d. Pará *Copaiba*, soluble, 4s. 6d. per lb., spot. San Salvador *Peru*, 4s. 8d. per lb., duty paid. *Tolu*, spot 9s. 9d. per lb.; shipment, 9s. per lb., c.i.f.

BELLADONNA.—Jugo-Slav root is quoted at from 3s. 9d. to 4s. 6d. per lb., duty paid, as to test; shipment, 3s. c.i.f. Jugo-Slav leaves (B.P.) are offered at 4s. 2d., duty paid. English leaves are offered at 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Market continues fully steady. Sumatra block on the spot, £15 10s. to £17 per cwt., as to quality: No. 1, at origin, £16, c.i.f. Sumatra free almonds are quoted on spot at from £45 per cwt. Siam block, small almond, £118 per cwt., spot.

CAMPHOR.—Steady. Chinese tablets are offered at from 7s. 6d. (½-oz.) to 7s. 9d. (1-oz.) per lb.; refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (2½-lb.) 7s. 3d., spot, London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb., and technical at 3s. 9d. per lb., in 100-lb. lots.

CASCARA SAGRADA.—Business remains quiet. Spot quotations from 170s. to 185s. per cwt. No offers of new crop for shipment.

CHILLIES.—The market is much firmer. Mombasa, in short supply on spot, is now quoted at 155s. per cwt., and prices are expected to go still dearer. A fair inquiry is being received. Nigerian (Japanese type) is also dearer with anything on spot now at 280s. per cwt.

CLOVES.—Zanzibar, spot, unchanged at 1s. 1½d. per lb.; June-July shipment, 1s. 1d., c.i.f. Madagascar, in bond, 11d.; shipment, 10½d., c.i.f. Penang, spot, 3s.

COCHINEAL.—Silver greys on s quoted at 4s. 2d. per lb.; blacks, 4

COCOA BUTTER.—Maximum co price is 4s. 4½d. per lb., delivered.

COLCHICUM.—Corms on the s offered at from 6s. per lb.; seeds 0.609 colchicine) are offered ex w 13s. 3d. per lb.

COLOCYNTH.—White pulp (B.P.) is quoted at 2s. per lb.

DIGITALIS.—English leaves, 2s. 3d. per lb.; powder, B.P., 5s. lb.

DRAGONS BLOOD.—Singapore rebo 1, £65 per cwt., spot; No. 2, £50 1

ELEMI.—Manila No. 1 gum is v about 2s. per lb., spot London.

ERGOT.—Difficult to locate spot value nominal. Very few offers from but shippers' idea of price seems to 8s. per lb., c.i.f.

GALLS.—Steady. Persian blues on spot at 260s. per cwt.

GAMBoge.—Siam pipe £45 per cw paid; powder, 11s. per lb.

GENTIAN.—The market tends dearer with offers now at about 7 per cwt.

GINGER.—African is steady at 14 cwt., spot. Jamaican is nominal.

HONEY.—Prices are unchanged. rates per cwt., for honey for manu purposes, are as follows: In packings for quantities of 10 cwt. or 96s.; less than 10 cwt., 105s., net, c paid. Refined repacked honey is at the following rates per cwt.: In tins, 140s.; 28-lb. tins, 130s.; 56-l 120s., carriage paid, subject to w discount of 8½ per cent.

HYDRASTIS.—Quotations are 30s. to 35s. per lb., ex wharf, Lond

IPECACUANHA.—Market continues steady but on the quiet side. Nica spot, 23s. to 24s. per lb. for f.a.q. August shipment, 20s. 6d. per lb. Colombian 21s. per lb., spot; 19s. c.i.f. Matto Grosso, 25s. per lb., c.i.f.

KARAYA.—Steady. No. 1 gum on quoted at 215s.; to arrive, 205s. c.i. 2, 180s. per cwt., spot.

MENTHOL.—Reports indicate the market continues very firm with the at 60s. per lb. for Brazilian. The trade demand is limited but a good business and continued inquiry fo ment continues. There are only i offers of smallish parcels from Braz the quotation firm at 58s. per cwt for prompt shipment.

MERCURY.—Ex warehouse, £18 10 flask: shipment, £17 17s. 6d., c.i.f. L

MYRRH.—Aden sorts on the sp offered at £12 per cwt.: siftings are at £6 10s. to £7 per cwt.

VOMICA.—Cochin on spot is quoted 6s. per cwt.; at origin, quotations shed and garbled material are at 1f. Mangalore is 34s. per cwt., spot. **ANUM.—Steady.** Fair drop is often 150s., peas at 190s., fair garbs 25s., and siftings at 80s. per cwt. **ARB.—Steady.** Chinese rough is about 5s. to 5s. 3d. per lb., duty to quantity. Fair stocks are held and the demand is moderate. No from China reported this week, except No. 3.

S.—ANISE.—Unchanged. Cyprus 1s. per lb., Turkish, 1s. 4d. per lb., sid; Spanish, 1s. 4d., per lb., duty pot, London. **CARAWAY.**—Dutch in demand at 115s. per cwt., duty pail, London. **CELERY.**—Indian quiet at 1b., spot, London. **CORIANDER.**—So firm at 37s. 6d. per cwt., duty London. It is reported that stocks once have been exhausted until the crop which is expected to be ready early June. Argentine is in demand at 27s. 6d. per cwt., duty pot, London or Liverpool. **CUMIN.**—On spot quoted at 165s. per cwt., reels now afloat at 135s. per cwt., New crop, June-July shipment at 130s. per cwt., e.i.f., London. Crop Morocco for July-August shipped at 110s. per cwt., e.i.f., London. **ILL.—Indian** on spot is at 47s. 6d. t., compared with the shipment of 1s. per cwt., e.i.f., London/Liverpool. Only poor quality Indian offers 67s. 6d. per cwt., spot, London, now afloat quoted at 60s. per cwt., FENUGREEK.—Market firm, Morocco at 55s. per cwt., duty paid, London. Indian spot has all been sold. For it is reported that quotations are now 61s. per cwt., e.i.f., London.

PHANTHUS.—Spot quotations for cent, Kombé are firm at the higher of 12s. 3d. per lb.

ES.—Prices of Dar-es-Salaam Bees' ready; spot, 335s. per cwt.; May-shipment, 325s., c.i.f. Sudanese is at 305s. in bond; June-July shipment, 290s., c.i.f. Lindi is quoted at 330s., June-July shipment, 322s. 6d., c.i.f. Es is 305s. in bond; May-June shipment, 280s., c.i.f. **CANDELILLA.**—Spot, per cwt.; June delivery, 290s. **CAR.—Prime** yellow is offering at 685s. per cwt., spot; shipment, 600s., c.i.f. Fatty on the spot, is 445s. per cwt., shipment, 455s. c.i.f. Chalky grey, 430s. per pot; no forward offers. **MONTAN.**—Black is at 220s. per cwt., spot; June delivery, 200s. Czechoslovak crude, 200s. per cwt., spot; June delivery, 180s. **URI.**—99.5 per cent, pure, 425s. per spot; 2 per cent, impurities, 410s. per cwt., spot. **SPERMACETI.**—Quoted at per lb., spot.

Essential and Expressed Oils

BAY.—Steady. West Indian on the spot is quoted at from 6s. to 7s. 6d. per lb.

CADE.—Steady. Spanish oil, B.P., on the spot, is offered at from 3s. to 3s. 3d. per lb. upwards.

CAJUPUT.—Steady. B.P. grade is offering at from 23s. to 25s. per lb., spot.

CAMPHOR.—White oil on spot is quoted at from 2s. 3d. per lb., duty paid; forward, 1s. 10d., e.i.f.; brown oil, from 1s. 9d. per lb., spot, duty paid.

CARAWAY.—English-distilled is offered at from 37s. to 40s.; imported, 27s. 6d. to 30s. per lb., as to quantity.

CITRONELLA.—Ceylon on the spot is unchanged at from 3s. 10½d. per lb.; 3s. 9d., c.i.f. Java is now quoted on spot from 8s. 6d. to 8s. 9d. per lb. Forward offers, afloat, 6s. 6d.; June-July, 6s. 8d. per lb.

GERANIUM.—Bourbon on spot is firmer at 60s. per lb.; African is quoted at about 60s. per lb., spot.

GINGER.—Quotations are from 65s. to 75s. per lb., as to grade.

GUATACWOOD.—Spot quotations are at from 17s. to 19s. per lb.

LIME.—Limited supplies of West Indian are reported on spot and the quotation is firm at 37s. 6d. per lb. upwards. No offers from origin and shipments are reported to be finished until new crop is ready.

NUTMEG.—Prices of English-distilled oil are at 35s. to 37s. 6d. per lb.; second-grade, 25s. per lb.

PENNYROYAL.—B.P.C. is offered at from 13s. per lb. in original 250-lb. drums to 14s. 6d. per lb. for smaller quantities.

PEPPERMINT.—English-distilled "Mitcham" oil is offered at 200s. per lb.

ROSEMARY.—Spanish is offered at 5s. 6d. to 7s. 6d. per lb., as to quantity; Dalmatian, from 5s. 6d. to 6s. 6d., spot, London.

SANDALWOOD.—Mysore oil on spot, from 63s. to 73s. per lb.; English-distilled is about 75s. per lb.

SASSAFRAS.—Brazil on spot is quoted at from 4s. 6d. to 5s. 3d. per lb.

TEASEED.—Prices of refined oil steady to 27s. 6d. per gall., spot.

TEREBINTH.—Quotations for B.P. oil are from 1s. 6d. to 1s. 10½d. in winchesters, and 1s. 5d. per lb. in carboys.

THYME.—Red oil (40-42 per cent. phenols), 10s. 6d. to 12s. 6d. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

Ti-TREE.—Quotations are from 6s. 6d. to 7s. per lb., according to quantity.

VETIVERT.—Bourbon on spot is quoted at from 65s. to 70s. per lb., as to grade.

YLANG YLANG.—Bourbon, 60s. to 70s. per lb., as to grade and seller.

TRADE MARKS

(From the "Trade Marks Journal," May 18)

"QUIX QUIX QUIX" on label device; by Joseph Watson & Sons, Ltd., Leeds; 668,892. For non-saponaceous detergents in liquid form (3).

"HINDS CREAM" on label device; by A. S. Hinds, Ltd., London, S.W.20; 669,956. For lotions and creams, being non-medicated toilet preparations for the skin (3).

"BUCKET BRAND" and device of bucket, by Gerard Brothers, Nottingham; 672,050. For soap (3).

"THREE LITTLE BOTTLES THAT BUILT THE PLANT" and device of three bottles; by Nuodex Products, Co., Inc., Elizabeth City, U.S.A.; B657,658. For fungicides and insecticides (5).

"GRAVONECT," "SUPRANECT" and "TAURONECT"; by Maatschappij Voor Biotechniek N.V., Apeldoorn; 663,501 and 663,504-05. "NOLOXIN"; by Herbert Szama, Buenos Aires; 672,312. For pharmaceutical preparations (5).

"HOLLOWAY'S PILLS"; by Holloway's Pills, Ltd., London, S.W.1; 669,747. For medicated pills (5).

"ESTROGEST"; by The British Drug Houses, Ltd., London, N.1; 671,770. "AVLONYL"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 673,345. For all goods (5).

"MERSOLITE"; by F. W. Berk & Co., Ltd., London, W.C.1; 672,089. For pharmaceutical compounds of organic substances and mercury (5).

"MERIDIAN"; by J. B. Lewis & Sons, Ltd., Nottingham; 673,348. For menstruation appliances and underclothing (5).

"REBECO"; by R. B. Production & Engineering Co., Ltd., Bridlington; 672,710. For scientific apparatus and instruments (9).

"KAYLOMETER" by Kaylene, Ltd., London, N.W.2; 673,230. For all goods (10).

"RAMER"; by Ramer Chemical Co., London, S.W.1; B670,687. For sponges (21).

"GILDA"; by Kigu, Ltd., London, N.W.10; B673,622. For hair combs (21).

"CARNIVAL"; by Teitz & Scott, Ltd., L.E.C.1; 672,363. For surgical articles made of india-rubber (10).

(From the "Trade Marks Journal," May 19)

"PLANOFIX"; by May & Baker, Ltd., Dagenham; 671,104. For all goods (1).

"SOLSEAL"; by The British Drug Houses, Ltd., London, N.1; 673,903. For industrial cals (1).

"ANTAROX," "ANTARANE," "ANTARATE" and "ANTARON"; by General Aniline & Film Corporation, New York; 673,541-48. For all (1) and (3).

"CHOPPELLE"; by Jasco, Ltd., London, W.1; 657,899. "JEALOUSY"; by Parfums Blanche, New York; 669,298. "CLARRID"; by Collins, Ltd., London, W.1; 670,297. "LIN"; by Medopharma, Ltd., Richmond; 674,074. For non-medicated toilet preparations (3).

"DORAL"; by P.A.C. (Chemicals), Ltd., Chester; 662,231. For liquid antiseptic poo (3).

"PLYNINE"; by the Plynine Co., Ltd., burgh; 670,035. For all goods (3).

"BI-RI" in distinctive lettering; by Hay & Co., Ltd., London, E.1; 671,060. For perfumes (3).

"BATHJOYS" on label device; by Reckitt & Colman, Ltd., Hull; 672,349. For non-medicated bath salts (3).

Device of 18th century figure; by Lewis & Sons, Ltd., London, W.1; 673,035. soaps (3).

"SOLTORONE"; by Estelle Gainsborough, London, W.1; 668,205. For medicated lotions (5).

"FORD"; and oval device including man on back; by British Medical Laboratories Ltd., Sydney; B663,789. For medicated (5).

HEADINGS CHEMISTS HAVE VOTED TO KEEP

SOUTH LINCOLNSHIRE BRANCH
THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

The Pharmaceutical Society of Great Britain
CAMBRIDGE & DISTRICT BRANCH

Pharmaceutical Society of Great Britain
GLASGOW AND VOLUNTARY WESTERN SCOTTISH BRANCH

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN
BRISTOL AND DISTRICT BRANCH

OFFICES
THE BRISTOL CHAMBER OF COMMERCE
11, BUNNELL STREET, BRISTOL, 1.

THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN
ROMFORD AND DISTRICT BRANCH

Pharmaceutical Society of Great Britain
BATH & DISTRICT BRANCH

The Pharmaceutical Society of Great Britain
PATERSON'S MARKET, BATH, BA1 5BL

THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN
LONDON & DISTRICT BRANCH

GENERAL SECRETARIAT: 10, QUEEN ANNE STREET, LONDON, W.C.2.
TELEGRAMS: "PHARMA-LONDON, 10, QUEEN ANNE".
TELEPHONE: 24318 (1 LINE).

EXPRESSIONS OF PERSONALITY.—At the meeting of Branch Representatives of the Pharmaceutical Society of Great Britain on May 19, an overwhelming vote was given for retaining "character" in branch notepaper and avoiding the possibility that stereotyped stationery might be provided by the Council.

BURGOL

ANTISEPTIC



An Antiseptic of the Popular
"PARA-CHLOR-META-XYLENOL" TYPE

Can be recommended for general, medical and personal use. The pleasant aroma attained by incorporating Ti-tree Oil makes an instant appeal to the discriminating user.

4 oz.

Retail 1/3 each

8/6 doz.

plus P.T. $\frac{1}{3}$ rd

**NON-POISONOUS
SAFE AND RELIABLE**

3 TIMES STRONGER THAN PHENOL
(Rideal-Walker Test)

**FORMS A CLEAR SOLUTION IN ALL
PROPORTIONS WITH WATER**

**A WORTHY MEMBER OF THE FAMOUS
RED DIAMOND BRAND SERIES**

In two sizes: 4 oz. and 16 oz. Bottles.

16 oz.

Retail 3/9 each

25/3 doz.

plus P.T. $\frac{1}{3}$ rd

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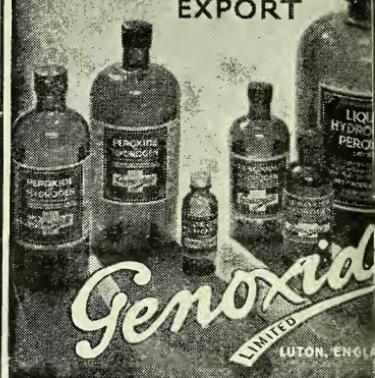
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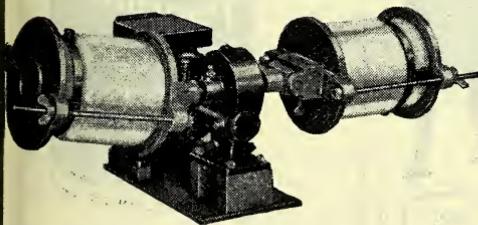
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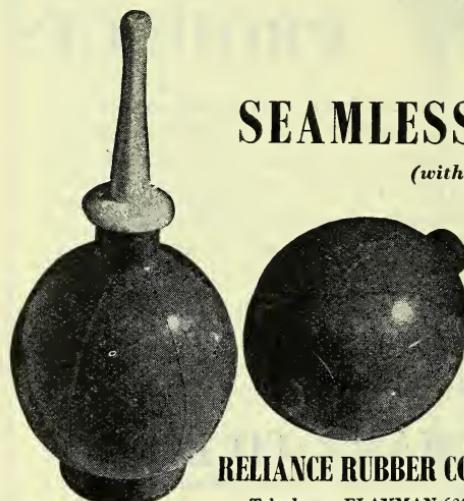
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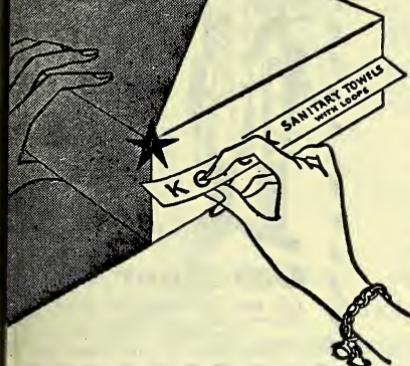
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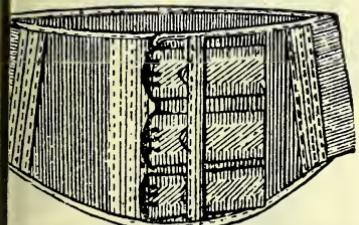
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3 Buttons, 3 Outside Pockets, Chest 32" 46"

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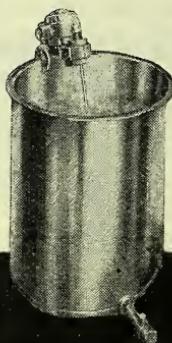
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KORAY
SOOTHES AWAY PAIN
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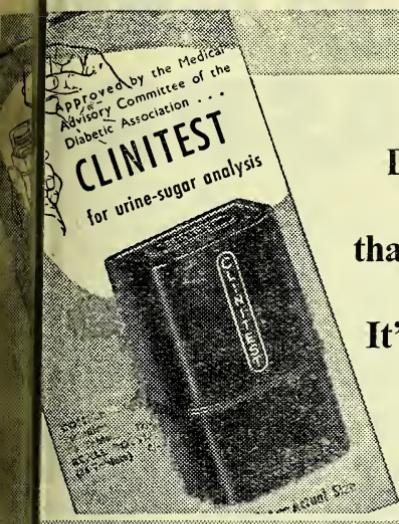
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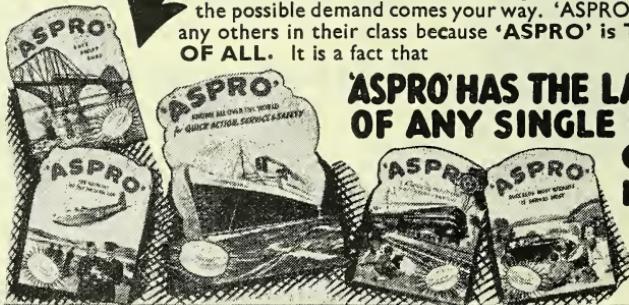
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GOOD PROFITS
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And a quality you can
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Popular flavours. Orange,
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Compressed tablets of :-

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A woman's eyes mirror her whole make-up.
If the eyes are lack-lustre, dull and tired
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make eye-care with Valopto a daily duty
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Start using Valopto today.
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Order Today

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A product of
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BROUGHT TO PERFECTION**CAN BE EATEN
LIKE A SWEET****No water required**

- Quicker absorption — more effective
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MAGSILATE is a CF product, sold through agents only. Terms are profitable. Attractive show windows, informative literature and free samples supplied on orders.

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protects hands
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Samples and price
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The most efficient
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12 dozen LARGE BAND-AID @ 10/4

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extra profit making offer is valid for 3 months only, commencing
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Johnson & Johnson

JOHNSON & JOHNSON (GT. BRITAIN) LIMITED, BATH ROAD, SLOUGH, BUCKS.

PLEASE SEND

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We agree to give Band-Aid a window and/or counter display for a
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HOT WATER BOTTLES - AIR BEDS
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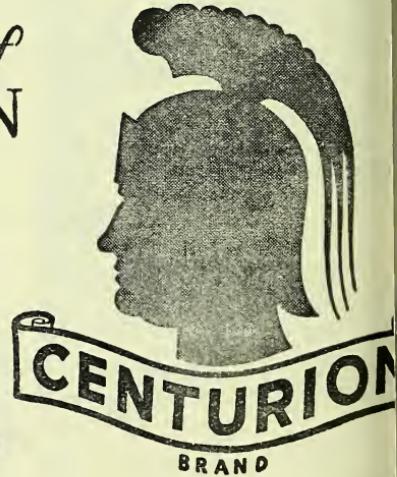
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These grand aids for skin-care have been giving confidence and satisfaction for over 65 years.

Profits are good—Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM . BABY OIL

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AFTER-SHAVE LOTION

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203, Victoria House, Southampton Row, London, W.C.1
TELEPHONE: HOLBORN 1564

for
THE POTTER DRUG & CHEMICAL CORPORATION
205-207, Victoria House, London, W.C.1



Do COLDS take a holiday in Summer?

WHEN the weather gets warm, do colds pack up and migrate to other lands? You can tell by the summer demand for Serocalcin that they don't. For England's unpredictable and flighty climate is a fun fair for colds. Anticipate this season's demand by having plenty of Serocalcin in stock. Your customers will ask for Serocalcin because they know its value as a quick and efficient treatment for colds. Three tablets taken three times daily, in the early stages of a cold, often clear up the attack in 48 hours.

Pharmacists are reminded that the sole selling agents for Serocalcin in the U.K. are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.

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FOR THE PREVENTION & TREATMENT OF COLDS

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JUNE 4, 1949

Chemist & Druggist SUPPLEMENT

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Classified Advertisements must be prepaid.

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Irish Friends — the well-known house of Orridge & Company have decided!

In response to numerous enquiries from Irish Friends we, the well-known house of Orridge and Company have decided to extend our organisation to Pharmacists in both Eire and Northern Ireland. We are now undertaking Stocktaking for a number of Chemists-and are anxious that it should be generally known that this arduous task can now be left in the capable hands of a firm who have conducted such work for over a century. It is also our intention to establish a department which will deal exclusively with the sale of businesses and we shall be very pleased to give advice on all points appertaining to Sale and Purchase. Enquiries on both matters are invited to which immediate attention will be given.

184 STRAND · LONDON · W.C.2

Telephone : TEMPLE BAR 9212/3—6340

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Branch Offices : 36 Cannon St., Birmingham, 2.

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BUSINESSES FOR DISPOSAL

Is 8/6 (minimum) then 3d. per word. Box 2/-

N, wonderful chance for someone, herbal stores in main street position, seven rooms, warehouse, yard, stock fixtures, goodwill, with guaranteed living. Great scope for improvement. Rent £100 year ex. long lease. For sale £2,500 or near offer. Immediate return. Ring Bedford 5430.

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WISHES to contact proprietor pharmacist village or market town business with view to purchase. Turnover £3,000-£4,000. Living accommodation essential. South to South-East. Replies in strict confidence. Box 6/341.

POSITION REQUIRED: Sound business with adequate staff, including qualified or unqualified dispensers. Showing nett profit over £1,000. Accommodation and garden essential. Southern half preferred. Good price paid right business. Strict confidence observed. Banker's references. Write or phone (Brendon 260), N. Pack-Brendon Rectory, Lynton, Devon.

APPOINTMENTS

2/6 per line (12 lines = 1"). Box 2/-

THE CHEMIST AND DRUGGIST EDITORIAL STAFF

There is a vacancy for a pharmacist as a sub-editor on the staff of The Chemist and Druggist. Journalistic or publicity experience desirable but not essential. The work is interesting and varied, and the position is permanent, progressive and pensionable. Applications, stating qualifications and experience, should be addressed to the Staff Director, Morgan Bros. (Publishers), Ltd. 28 Essex St., Strand, London, W.C.2.

BRADFORD ROYAL INFIRMARY

(498 BEDS)

ASSISTANT PHARMACIST required. Salary within J.N.C. Scale, i.e., £370-£450 per annum, according to experience and qualifications. Superannuable post subject to medical examination. Applications, stating experience, qualifications, etc., together with three names for reference to be forwarded to the undersigned as soon as possible.

H. TRUSSON,

Secretary,

Bradford "A" Group H.M.C.

The Bridge
Walsall, nr. Birmingham
Phone : Walsall 5948

28 Rigby Buildings, 4 Aytoun St.
Manchester 1
Phone : Central 0877

141 Bath St., Glasgow
Phone : Douglas 3168

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Chemists' Transfer Agents, Stocktakers
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329 HIGH HOLBORN LONDON, W.C.1

Phone : Hol. 7406/7 and 2397

South Coast Representa-

G. Loxton Grinstead, I.P.

"Edweina," Oakland

Saltdean, nr. Brighton

Phone : Rottingdean

A.1. Midlands. Drug Store in large industrial town. Turnover for last financial year £3,709. Scope should exist for appreciable development under qualified proprietorship. Immediate pharmacy opposition not heavy. Price £2,000 for the goodwill and fixtures, plus s.a.v.

A.2. Black Country (Death Vacancy). A Drug Store for sale in virtually unopposed site, suitable for conversion to a pharmacy. Present turnover low, but capable of expansion. Limited living accommodation available.

A.3. Surrey Town. Toilet, etc. business occupying prominent position in main shopping area. Turnover at the rate of £5,000-£6,000 p.a., with scope for appreciable increase. Price £3,150 or near offer.

A.4. Brighton. Established business situated in busy shopping street. Turnover for 1948/49 (1½ months) £9,342. Four-roomed flat with bathroom. Rent £100 p.a. Scope should exist for further development. Price by negotiation. Quick sale desired.

A.5. Surrey. Drug Store offered for sale to pharmacy. Present returns about £1,000. The nearest chemist is approx. 10 minutes' distance away. Lock-up shop, etc. Price £500 or offer.

A.6. London, S.E.10. Old-established occupying main road position in populous to lower-class area. Was re-converted to pharmacy in September last. Excellent service N.H.S. dispensing, which is now averaging 550 scripts per month. Owner has purchased other business, and for a quick sale is willing to accept a price of £1,000, plus stock. Offer also be considered.

A.7. Essex (Retirement Vacancy). Attractive-to-date pharmacy with three-bedroom flat. Turnover for last financial year approx. £2,000. The business is situated in a very pleasant residential area and within a few miles of the riverside. Good scope for further development. Price £5,000, including stock approx. £2,000.

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

Appointments—Continued

BRITISH ELECTRICITY AUTHORITY

EASTERN DIVISION

Applications are invited for the following appointment:—

ASSISTANT CHEMIST—Cliff Quay Generating Station, Ipswich. Salary in accordance with N.J.B. Schedule. Grade 9, Class K. (£493-£514 p.a.)

Applicants must have had a sound technical and practical training followed by experience in similar appointments in a modern generating station.

The salary is in accordance with the scale at present operating but may be subject to negotiation through the medium of the joint Board.

The appointment will be supernumerary under the conditions of the Scheme or Regulations to be made under the provisions of the Electricity Act, 1947.

Forms of application may be obtained from the Divisional Controller, British Electricity Authority, Eastern Division, Northmet House, Southgate, N.14, to whom completed applications should be sent to arrive not later than June 20, 1949. Envelopes should be endorsed "Assistant Chemist, Cliff Quay."

W. N. C. CLINCH,
Controller.

Northmet House,
Southgate, N.14.

ST. MARGARET'S HOSPITAL, EPPING

LOCUM required for two weeks from September 5th-September 24th. Salary 10 guineas per week. Applications to the Superintendent.

BOTLEYS PARK HOSPITAL MANAGEMENT COMMITTEE

Registered ASSISTANT PHARMACIST Botleys Park Hospital, Chertsey, J.N.C. (Hospital Staffs) salary, viz., plus annual increments up to £1,000. Previous experience may determine commensurate salary. Recently qualified pharmacists Opportunity to take part in preparing sterile products. Whole-time, establishment, subject to medical examination, stating age, qualifications, experience taken into consideration, with copies of not more than three recommendations to Physician Superintendent, Park Hospital, Chertsey, Surrey.

ILFORD AND BARKING GROUP HOSPITAL MANAGEMENT COMMITTEE.

ASSISTANT PHARMACIST.

Applications are invited for the Assistant Pharmacist at King George V Eastern Avenue, Ilford, Essex. Salary £600 per annum with pension. Experience not essential, but experience taken into consideration for commencing salary.

The position is subject to National Service (Superannuation) Regulations person appointed will be required to undergo medical examination.

Applications, stating age and previous experience, together with copies of any recommendations should be sent to the Secretary, Ilford and Barking Group Hospital Management Committee, King George Hospital, Eastern Avenue, Ilford, Essex, as soon as possible.

Appointments—Continued**HILL END HOSPITAL & CLINIC,
ST. ALBANS, HERTS**

CHEMIST (locum tenens), male or female, for 9 weeks from the beginning of May 10 guineas per week. Apply, with particulars of experience, to Medical Superintendent, Hill End Hospital & Albans, Herts.

SECOND HOSPITAL MANAGEMENT COMMITTEE

Persons are invited from Registered Pharmacists to apply for the following appointments:—

FIRST PHARMACIST. At the West Hospital. Salary £370-£450 a year. Accommodation can be provided for a female

SECOND PHARMACIST. At the Southern Hospital. Salary £370-£450 a year. Accommodation can be provided for a male or female

conditions of service.

With full particulars and the two persons to whom reference may be made, should be sent to the Secretary, Hospital Management Committee, 59, The Bow Arrow Hospital, Dartmouth.

**DEVONSHIRE COUNTY COUNCIL
HEALTH SERVICES****MENT OF QUALIFIED PHARMACISTS**

Devonshire County Council as the Health Authority invite applications for the next appointment of Pharmacists at its Health Centres.

Salaries to be paid will be in accordance with scales prescribed by the Joint Negotiating Committee (Hospital Staffs).

Persons appointed will be required to undergo medical examination and be subject to regulations made by the Minister of Health time to time with regard to hospital Services to be provided at Centres and to such conditions as may be laid down by the County Council from time to time with regard to holidays, sick pay, absence, etc.

Contribution contributions are payable in accordance with the National Health Service Regulations, which prescribe that Pharmacists contribute at the rate of 6% of their earnings.

Appointments will be subject to one notice on either side.

Application Forms may be obtained from the Clerk, to whom they must be returned not later than first post on the 15th September.

VERNON LAWRENCE
Clerk of the Council.

all
rt, Mon.
1949.

BERKSHIRE AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE

BERKSHIRE HOSPITAL, READING. Persons are invited from persons holding a certificate of the Society of Apothecaries for the post of ASSISTANT in DISPENSING, salary £270-£320, with the J.N.C. according to experience. Applications, age and experience, together with two recent testimonials, to be sent to the Administrative Officer, Royal Berkshire Hospital.

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**NATIONAL HEALTH SERVICE ACT,
1946.****DUDLEY, STOURBRIDGE, & DISTRICT HOSPITAL GROUP, BIRMINGHAM REGION****THE GUEST HOSPITAL, DUDLEY**

Applications are invited for the post of FIRST ASSISTANT PHARMACIST, Non-resident. The salary is in accordance with the Joint Negotiating Committee, i.e., £415 x £15-£490 p.a.

Applications stating age, qualifications and experience, with copies of three recent testimonials to be sent to—H. Raymond Hurst, Secretary to Management Committee: The Guest Hospital, Dudley, Worcs.

**ST. MARY'S HOSPITAL,
LONDON, W.2**

Applications are invited for the following appointments:—SENIOR ASSISTANT PHARMACIST. Three years' hospital experience essential. Salary scale £415-£490 according to experience. ASSISTANT PHARMACIST. Salary scale £370-£450, according to experience. Both appointments carry additional fees for extra duties. Lunch and tea provided when on duty. Applications, with copies of testimonials, to be sent to the Chief Pharmacist.

STOCKPORT AND BUXTON HOSPITAL MANAGEMENT COMMITTEE, STEPPING HILL HOSPITAL, STOCKPORT

LOCUM PHARMACIST

LOCUM PHARMACIST required for the following periods:—July 18-25 and Aug. 27 to Sept. 17, 1949. Salary at the rate of £10 10s. per week. Applications to be forwarded to the Medical Superintendent as soon as possible. May 25, 1949.

H. G. PRICE,
Secretary.

THE HOSPITALS FOR DISEASES OF THE CHEST**THE LONDON CHEST HOSPITAL,
VICTORIA PARK, E.2**

LOCUM PHARMACIST IN CHARGE required for Monday, 29th August, to Saturday, 10th September, inclusive. There is one assistant. Salary £10 10s. per week, with lunch and tea. Apply with full particulars to the Secretary.

Appointments—Continued**THE UNITED LEEDS HOSPITALS.
THE GENERAL INFIRMARY AT LEEDS.**

Applications are invited for the appointment of ASSISTANT PHARMACIST. Salary commencing at £350 p.a., plus meals when on duty, and with additional payment for standby duty. The remuneration payable is subject to adjustment in the light of scales to be made known by the Minister of Health. National Health superannuation scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential. Applications, stating age, sex and experience, together with the names of not more than three referees, must be sent to the undersigned as soon as possible.

S. CLAYTON FRYERS,
Secretary to the Board.

**THE HOSPITAL FOR SICK CHILDREN,
GREAT ORMOND STREET, LONDON,
W.C.1.****ASSISTANT PHARMACIST**

Applications are invited for this position. Salary, £370 to £450 on J.N.C. Scale, according to experience. Apply, with details of age and experience, to A. Rae, Chief Pharmacist.

WEST PARK HOSPITAL, EPSOM

ASSISTANT PHARMACIST. Applications are invited for the appointment of Assistant Pharmacist. Whole time; hours of duty 39 per week, no Sunday duty. Salary is in accordance with J.N.C. (Hospital Staffs), viz. £370 rising by four annual increments of £15 and one of £20 to a maximum of £450 p.a. Newly qualified Pharmacists considered, either sex. Accommodation available for single persons if required, at very reasonable cost. Social and recreation facilities available. The appointment is subject to the National Health Service (Superannuation) Regulations 1947. Applications stating age, qualifications, experience and names and addresses of two referees should be sent to Physician Superintendent, West Park Hospital, Epsom, Surrey.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

AN UNEQUALLED OPPORTUNITY. Unqualified with centrally situated premises (Staffs, suburban), population 9,000, requires M.P.S., either sex, or Chemist-Optician desirous of eventual part ownership. Great scope, immediate interest or profit-sharing basis if desired, every assistance; disabled considered. Box 6/301.

BACUP. Qualified assistant (lady or gentleman) required for central pharmacy. Comfortable working conditions. Application with references to A. E. Barton, M.P.S., 3 St. James' St., Bacup.

CAMBRIDGE. Experienced Pharmacist required as manager for good family business in Cambridge. Semi-detached house available, combined with good salary and commission for suitable applicant. Apply Box A/183.

CROYDON AREA. Qualified assistant required for light duties dispensing and counter with short hours. Position suitable for elderly applicant. Telephone Addiscombe 1149.

CHEMIST AND OPTICIAN on C.P.C. list be keen refractivist, and willing to help macy. Stage age, experience and salary. G. E. Chapman, 166 Church Lane, Sn Birmingham.

COALVILLE. Qualified manager required £550 plus commission (average for last year over £150 p.a.). Apply Francis Hallam Broadway House, Broadway St., Burton.

DERBY. Urgently required, experienced optician to control busy practice. Late ment in use (Greens-B.R.U.—T.I.B., etc). Closely premises. Ample supporting staff, ence with superannuation. Application full particulars, including salary required, retary, Derby Co-operative Provident Ltd., Albion St., Derby.

DISPENSER, qualified, required as assista for modern drug department of Surre Training given in management and by suitable applicant. Excellent opportunity

penser with initiative desiring scope for ment. Apply Staff Controller, Bentalls of I EASTBOURNE. Qualified assistant require or female) for high-class dispensing busine with full particulars to H. R. Brown (C Ltd., 44 Cornfield Road, Eastbourne.

ENFIELD TOWN. Unqualified assistant for counter duties in good-class pharmacy at Southbury Rd., Enfield. Permanency 9-6. Good salary for right applicant, first instance to Cross of Enfield, Ltd., 4 Ford Rd., Enfield, Middlesex. Telephone 1723 and 2088.

EXCELLENT OPPORTUNITY for young optician on C.P.C. list to take control stantial practice. Premises about to be vaca 21 years' lease; Birmingham-Wolverhampton A/9.

FINCHLEY, N.3. Unqualified assistant (lady or gentleman) for good class busine experience and permanency. Urgent. D and counter experience essential. Apply Pickles, Finchley, N.3.

FULL-TIME light dispensing post with un accommodation available, offered elderly cist or young man recently qualified, or Box 6/340.

GREAT HORTON Industrial Society, Ltd. applications from Male or Female Pharm manage an established branch. Permanency provided. Employees' superannuation Salary to be negotiated. Written applicatio age, experience and qualifications, to dressed to the Secretary-Manager, R Office, 686, Great Horton Rd., Bradford.

ISLE OF MAN. Season assistant, lady or man. General shop duties. Easy hours salary, experience, when available. Frank Photographic Chemist, 97 Strand St., Isle of Man.

LADY ASSISTANT (unqualified) reqd. window dressing, etc. No dispensing, capable of taking charge. Putney area. S experience and salary reqd. Box 6/337.

LEEDS INDUSTRIAL CO-OPERATIVE LTD., require a male pharmacist with managerial experience to take charge pharmacy at Horsforth (5 miles Leeds). Salary £625 p.a., plus other emoluments. No accommodation to offer. Apply stating perience and fullest particulars to Superi Chemist, 6 Albion St., Leeds, 1.

LEICESTER. Qualified manager required full control of dispensing department. Good and permanency. Comfortable post and eas The Meltonian Drug Co., Ltd., 132 Mel Leicester.

Situations Open—Continued

LONDON, N. Lady assistant (unqualified) wanted. Must be experienced in dispensing. Comfortable no Sunday or holiday duty. Please apply, age, experience and salary required to Dow's, 433 Green Lanes, Harringay, N.4.

MANAGER REQUIRED for Central London pharmacy. Flat available in Chelsea. Good salary experienced manager. Apply Box A/181.

MARSHALL HESTER. Qualified manager urgently required. Comfortable position. Assistance employed. Good salary and commission. No Sunday or holidays. Apply, giving usual particulars to F. W. Jones, 37 North Rd., Longsight, Manchester, 12. Phone Rus 4801.

MARSHALL HESTER (Southern suburb). Pharmacist (lady or gentleman) required for an old-established business with good-class dispensing. Permanent, position for suitable person. No Sunday or duties. In reply please state full particulars, giving salary required, to Box 6/243.

NICHOLAS BEST, LIMITED, Bradford, require qualified manager for branch shop. One assistant. Living accommodation, flat with kitchen, living-room, bedroom, bathroom. No Sunday duty. Good salary and prospects. Apply 1 DREWTON ST., Bradford, or me Bradford 29292.

PHARMACIST REQUIRED for family dispensing business near Archway, Highgate. Modern dispensary. Flat available. Good salary paid to experienced manager. Apply Box A/180.

PHARMACIST. Exceptional opportunity and prospect occur for keen young qualified chemist with ambition and an eye to the future. Apply H. Green, M.P.S., 60 Nunhead Lane, Peckham, London, S.E.15. Telephone for appointment. New 0262.

PHARMACIST, lady or gentleman, able occasionally to take charge. Congenial post. Up-to-date salary. Small country town. Pleasant surroundings. Suitable accommodation arranged. Liberal and commission. State age and usual particulars, etc., to R. J. Farmer, High St., Tutbury, Burton-on-Trent.

PHARMACIST TO TAKE CHARGE branch in South London. Good living accommodation. Apply 146 Holborn, E.C.1.

QUALIFIED ASSISTANT required for counter and in high-class pharmacy (T.S.A. licence). Remuneration. Permanency. Accommodation will be found if necessary. Chave & Jackson, Ltd., Oxford.

QUALIFIED EXPERIENCED MANAGER for high class business. Welsh speaking, good salary. Also, assistant holding Chemist and Druggist and Optical qualifications (Welsh speaking). Mrs. D. St. Davies, Carmarthen. Phone 539.

QUALIFIED lady or gentleman as manager small business. Easy hours, no Sunday duty, closing Thursday. Accommodation single married couple. Particulars, C. J. Viner, High Street, Minchinhampton, Gloucester.

QUALIFIED MAN (Welsh speaking) wanted immediately for good-class country town business. Good salary and commission, no late duty, fully particulars to Davies, Medical Hall, Llyswall, Cardiganshire. Phone 65.

QUALIFIED SUPERINTENDENT Chemist-Optician required by the Great Grimsby Co-operative, Ltd., Central and three branch shops, available. Applications giving details of age, qualifications, etc., to the Managing Secretary, 74 Ribaldi St., Grimsby.

RIMANSON WORTH. Pharmacist manager required for good-class business. Must be able to develop dispensing department. Good salary plus commission with semi-detached house available to suit applicant. Apply Box A/182.

QUALIFIED MANAGER required for family dispensing business in Surbiton. 3 bedrooned flat available. Good salary paid to suitable applicant. Apply Box A/179.

SUPERINTENDENT PHARMACIST, fully qualified, required as departmental manager. Industrial trade, permanent and progressive position. Co-operative scale salary. Applications in writing, giving full particulars to the Secretary, Denaby Main Co-operative Society, Ltd., Doncaster Rd., Denaby Main, Nr. Doncaster, Yorks.

SUPERINTENDENT PHARMACIST required to take charge of Pharmacy Department. Male or female. Good house provided. Good conditions. Apply Garndiffaith & Varteg Co-operative Society, Ltd., Garndiffaith, Mon.

UNQUALIFIED assistants required immediately (male or female). Counter and dispensing. High-class pharmacy, good salary, permanency. Chave & Jackson, Ltd., Hereford.

UNQUALIFIED ASSISTANT required mainly for dispensing in busy pharmacy. Excellent working conditions in well-equipped and up-to-date dispensary. Apply with particulars of experience and salary required to O. L. Carrington, 300 London Rd., Croydon.

UNQUALIFIED assistant with dispensing experience, good salary and bonus, living accommodation not available. Excellent opportunity for keen, energetic applicant. Aldington & Lewis, Ltd., 168 High Rd., East Finchley, London, N.2.

VACANCY for young man, unqualified, as assistant. Excellent prospects if all-round capabilities shown. Apply Briggs Chemists, Ltd., 19 Pitfield Street, Old Street, N.1.

WANTED. A young qualified dispenser, male; one just completed college; for a good-class dispensing business. Evans, Central Pde., Orpington.

LOCUMS WANTED

AMOORE & CO., 173 Sloane St., S.W., require locum, two weeks from June 27 and two weeks from July 16.

BRADFORD. Qualified locum required for July 25th to 30th inclusive and August 8th to 13th inclusive. Goodall, 544 Manchester Rd., Bradford. Tel. 24456.

LANCASHIRE. Locum pharmacist required for private firm for any part or all of period June to September. Please state fullest particulars, including experience, age and salary expected, to Espley, 49 Daisy Lane, Blackburn.

LEEDS. Qualified locum required for August 15th to 27th inclusive. Goodall, 94 Burley Rd., Leeds. Tel. 26118.

LEEDS INDUSTRIAL CO-OPERATIVE SOCIETY, LTD., require a pharmacist (male or female) for continuous locum duties from July 18, until September 17. (Nine weeks). Apply stating terms required and fullest particulars to Superintendent Chemist, 6 Albion St., Leeds, 1.

PHARMACIST required, lady or gentleman, as locum, for four weeks, not necessarily consecutive, June, July, August, or September. Moderate N.H.S. Good staff, high-class business, pleasant surroundings. Please state terms to Ernest F. Bathurst, Ltd., Woburn Sands, Bucks.

SWINDON and District Co-operative Chemists require the services of a locum tenens commencing early June. The man appointed will be required to take duties of Superintendent Pharmacist and optical. Applications, stating salary required, to Secretary, 57 Fleet St., Swindon, by May 21.

TIMOTHY WHITES & TAYLORS require pharmacists, male or female, for locum duty—short or long term periods. Good salary and expenses. Adequate supporting staff. Apply to: Mr. A. D. Douglas, M.P.S., Allen House, 70 Vauxhall Bridge Road, London, S.W.1.

Situations Open—Continued**WHOLESALE**

AGENTS REQUIRED . . .
IN ALL TERRITORIES TO HANDLE
WELL-KNOWN TOILET ROLL
MANUFACTURERS' PRODUCTS
GOOD TERMS TO RIGHT MEN
Box A/166

AGENTS REQUIRED in all areas to offer L.B.W. Rose-hip Orange Barley Squash, a new delicious health-giving and refreshing drink. Backed by the medical profession everywhere. State age, area, other lines carried. Box 6/334.

AN OLD-ESTABLISHED London House require a young qualified assistant chemist, capable of conducting routine analysis of products, and supervision of poisons. Write, giving full particulars of age, experience and salary required. Box A/193.

AYRTON SAUNDERS & CO., LTD., 32/36 Hanover St., Liverpool, invite applications to represent them in the North Riding of Yorkshire and County Durham. Qualified chemist preferred but not essential providing applicant has wide knowledge of pharmacy and experience in calling upon chemists. A complete service and full support is available to the right man. Applications should be marked AC/CD.

BANDBOX REQUIRE first class representative for Manchester district. Car and connection essential. Remuneration; salary, car allowance, expenses, commission. Reply with full details and copy refs., to Sales Manager, Ashe Laboratories, Ltd., 120 Victoria St., S.W.1.

CHEMIST required for work in the production department of a pharmacist manufacturers in the West London area. Previous experience desirable but not essential. Canteen, Superannuation scheme etc. Reply giving details of age, experience and salary required. Box A/153.

CIBA LABORATORIES, LTD., Horsham, Sussex, require a young Pharmacist, B.Pharm., Ph.C., preferred, for work in their modern factory manufacturing a wide range of ethical specialities. Experience of the preparation of parenteral solutions, tablets and ointment an advantage. Applicant should be a good disciplinarian and able to control female labour. The position is permanent and progressive with a contributory pension scheme in operation. Apply, giving full particulars of age, education and experience together with an indication of salary required to Production Manager, Ciba Laboratories, Ltd., Horsham, Sussex.

ENERGETIC SALESMAN calling upon chemists and stores in the Midlands area and carrying one or two non-competitive lines, required by old-established company selling small range of nationally advertised pharmaceuticals and cosmetics. Commission only. Write, in first instance, giving full details, to Box A/189.

EXCEPTIONAL OPPORTUNITY for four young salesmen, centred in London, Glasgow, Manchester, South Coast, to train as perfumery representatives. Salary, Commission and expenses. Box A/172.

EXPERIENCED REPRESENTATIVE required for sale of veterinary requirements to veterinary profession only in area Kent, Hampshire and Surrey, with adjoining counties. Knowledge of veterinary products essential. Apply Box A/264.

EXPERIENCED REPRESENTATIVE required for sale of veterinary requirements to veterinary profession only in area Devon, Cornwall and West Counties. Knowledge of veterinary products essential. Apply Box 6/263.

LEADING SURGICAL rubber manufacturers energetic representative (part time) in So. Write, stating age, experience, etc., to Box c/o Streets, 110 Old Broad Street, E.C.2.

MANUFACTURING CHEMISTS require pha supervisor. Manufacturing or good retail ence, either sex. Apply, stating age, qualific experience and salary required, to Managing tor, Wilkinson & Simpson, Ltd., Low Fri Newcastle-upon-Tyne.

OLD-ESTABLISHED wholesale chemist su business require a sharp representative (calling on chemists) to sell their lines, commission and ultimate partnership offe desired. Excellent opportunity to the right Box 6/326.

PILL AND TABLET COATER. Experienced grades of work. is required by manufa chemists, London area, working 5-day week ellent opportunity for suitable applicant. giving age, experience and salary required. A/195.

Eucryl Ltd., require for East Anglian experienced Traveller on a co mission basis. Written applicatio only to Sales Manager, Eucryl Lt Southampton.

REPRESENTATIVE required for South London area, to call on retail chemists with tablets, capsules, lozenges and suppositories. Ge commission terms. Apply Box 6/325.

REPRESENTATIVE required to carry exclusive perfume as an additional line, on commission expenses basis. Write, giving particulars of territory able to cover. Box 6/329.

REPRESENTATIVE for established line calling chemists in certain parts of the country. Beaucaire Laboratories, Vauxhall Grove, S.W.1.

REPRESENTATIVE required for London and for provinces to carry as a side line on connection cutlery such as nail and cuticle sciss pliers, etc., etc. Preference given to one w connection with Dept. Stores and Chemists. Box 6/343.

REPRESENTATIVE required for Warwicks, and Staffs area, for well-known manufacturer proprietary articles, preferably with some experience of calling upon retail chemists. have good selling records and able to drive. Salary and expenses, no commission. Appl A/196.

REPRESENTATIVES calling on chemists and are offered an attractive, moderate-priced of cases for sunglasses, to carry as an add line. Generous commission basis. Box 6/332.

REPRESENTATIVES, already calling on chem stores—hairdressers, required to sell genuine ported French perfume. Generous commis right type—and prospects. Box 6/333.

REPRESENTATIVES required, all territories, competitive range perfumery and toilet prations. Must be able to prove connection, ability and integrity. Car owners essential. and good commission, no objection to other carried. Write full details Dellwood Ltd., Sandland Road, Walthamstow, E.17.

REPRESENTATIVES REQUIRED for Eastern tish territory; also London, Surrey, Devon Cornwall (applicant must be resident in Su to detail medical and dental professions, by maceutical house of high repute. Must have similar experience. Appy stating age, exper and salary required to :—Box A/198.

Situations Open—Continued

REPRESENTATIVE required in area, Lancs, and northwards to the Border to carry at toilet article as an additional line. Good position with wholesale and retail toilet trade. Generous commission basis. Box 6/339.

VISOR TRAVELLER for large manufacturers of goods sold to grocers, etc. Must be thoroughly experienced in selling to men of trade. Salary £8 per week, travelling expenses. State age, full details of past

ment. Box 6/328.

BRISTOW & CO., LTD., require experienced representatives to sell toilet soaps and cosmetics to chemists and departmental stores in following territories: (1) East and South-east

re. (2) Norfolk, Suffolk and Cambridge. Applicants should reside on the territory. Application scheme is in operation. Please state of experience, age, and salary required, 15, T. F. Bristow & Co., Ltd., Boston Rd., Brentford, Middlesex.

MAKER. An old-established manufacturing N.W. area have an opening for a man thoroughly experienced in all phases of production. Write, stating age, salary required together with outline of career. Box

SELLERS wanted, calling South Coast to carry on profitable, easy selling lines. Wages commission. Contact Box 6/314.

QUALIFIED ASSISTANT required. Preferably experience in the preparation and filling of solutions. West London area. Reply giving details of experience, salary required etc. Box

KNOWN FIRM of distributors require gentlemen who are permitted to carry additional products. The lines are quick sellers, and a good position is offered, but only gentlemen who are bound and regular calls need apply. The areas to be covered are, all north of Birmingham (including Birmingham), Scotland, and Counties. Write in first instance to: Box 6/338.

KNOWN PARISIAN perfumeur seeks well-educated salesman carrying non-competitive lines to produce perfumes and cosmetics to high-class on commission basis. Areas available, London, South of England and Midlands. Apply, giving experience. Box 6/212.

OF ENGLAND. Two territories will become vacant for first-class salesmen using the wider scope offered in Pharmacy (1) S. Hampshire to Lands End, and Wales, incl. W. Glos. Only thoroughly experienced men are invited to apply. Must have a good sales record and have represented houses of high repute. Will be required to sell not more than five or six products with consolidated sales and rising over trends. All are nationally known and advertised. Preference given to men with car. Permanent appointment. Steadily progressive post. Apply with fullest particulars A/199.

WHOLESALE (OVERSEAS)

LABORATORIES, LTD., invite applications for the position of Administrative Manager on the staff of their Pakistan subsidiary. Good salary and excellent prospects. Position scheme. Applicants, who should be and preferably unmarried, should write giving particulars of age, education, qualifications and experience to the Personnel Manager, Glaxo Laboratories, Ltd., Greenford, Middlesex.

SITUATIONS WANTED

18 words 3/- (minimum) then 1d. per word. Box 1/-

RETAIL (HOME)

PHARMACIST, aged 37, with small capital, requires position with good accommodation and garden. Partnership or interest in business preferred. South Coast or West Country. Box 6/330.

LOCUMS SEEKING ENGAGEMENTS

AUSTRALIAN woman pharmacist, registered, available for summer locums in London or suburbs from June 14. Box 6/344.

WHOLESALE

MIDLAND AGENT of repute, desires contact with manufacturer of similar standing seeking dignified, first-class representation. Car. Telephone. Personal contact with trade for 15 years has provided direct contact with executives. Box 6/327.

SALES MANAGER aged 48 with life-long experience in the trade wishes contact firm interested in marketing Tooth paste. Box 6/320.

SENIOR REPRESENTATIVE carrying nationally known products in the pharmaceutical and proprietary fields with substantial connections wholesalers, retailers, multiples and Co-ops, Lancashire, Cheshire and North Wales, is severing connection with present company after 18 years' happy association. Not seeking poor-quality lines with high commission but invites enquiries from reputable manufacturers on selling agency basis. Box 6/310.

TOP GRADE EXECUTIVE (38), having systematically acquired wide experience all branches pharmaceutical industry, requires appointment with increasing responsibility in progressive company. Record proves £1,500 per annum capacity. Interviews without commitment welcomed. Box 6/336.

AGENCIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AGENTS with first-class connections with chemists, required to handle a popular six and eight exposure roll film. Attractive discounts and commission. The Panda Film Co. (Wholesale), Ltd., 12 Laings Corner, Mitcham, Surrey.

AGENTS REQUIRED in Midlands and North to introduce an ethical foot comfort line to chemists. A rare opportunity to handle an outstanding line—that is different. Constant repeat business assured. First-class display material. Generous commission. Box 6/342.

THE MANUFACTURERS OF FEEDRITE, the sensational new baby feeder, which keeps baby's milk at the correct temperature during the entire feed, invite applications from agents who have first-class connections with chemists, stores and Cooperative Societies. Payment will be on commission basis. Only gentlemen with the highest references should apply in writing with full particulars to Messrs. Morley Rogers & Co., 34 South Molton St., Mayfair, London, W.1.

WELL-INTRODUCED firm specialised in the chemical field seeks to represent in Italy manufacturing firm of pharmaceutical bulk chemicals, preferably quinine salts, antibiotics, sulphonamides, vitamins, laboratory reagents. Manufacturers only please write Box 6/335.

AGENCIES WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

DENMARK. Energetic, well-introduced import agent wishes to represent manufacturers of chemicals and glues, etc. First-class references. 11 years' experience abroad. Apply Box A/161.

A MARKETING EXPERT

in the Food and Allied Trades with an exceptionally successful record in this country extending over 20 years, with an intimate personal knowledge of the Australian Market, is proceeding to that country later in the year, and will be glad to undertake commissions such as the checking up on present distribution, the appointment of Agents, the building up of sales or the arranging of Selling Agencies in the United Kingdom. Box A/156.

INDIA. Are you satisfactorily represented in India? If not, the advertiser (British) will be in the U.K. during October and November and will be pleased to negotiate Agencies for well-known ethical pharmaceutical products. Box 6/300.
SURGICAL DRESSINGS, sundries, etc. Agency required by manufacturing pharmaceutical firm with strong personal connections in Kent, Surrey, Sussex and South London. Conscientious representation guaranteed. Whole area covered regularly by one of the principals. Box 6/285.

BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AUSTRALIA. London pharmaceutical manufacturers intend sending out their representative early 1950 for market research and to make personal contacts. They would like to share expenses with non-competing firm similarly interested. Enquiries in confidence to Box A/108.

MANUFACTURERS of nationally advertised toilet products with sales organisation would be interested in working arrangement or amalgamation with manufacturing chemists in similar position. Object: reducing overheads, increasing profits. Highest references given and required. Principals only. Box A/184.

FOR SALE

36 words 8/6 (minimum) then 3d. per word. Box 2/-

"ALITE", 150-lb. sifter mixer with elevator and distributor. "Albro" vacuum powder filler. "Pascal" pin-disc mill. S/steel trolley tanks 25/50 gallons. S/steel storage tanks, 12 gallons. "Musgrave" dust extraction plant, etc. Excellent condition. Seen London. Particulars, Box 6/307.
DRAWERS NEST of 80, size 9 in. x 6 in. x 4 in., with index fittings; polished as mahogany. 5 ft. 6 in. long, 3 ft. 4 in. high, 11 in. deep. £25. Welbeck 8089.

FRENCH PERFUME BOTTLES, Chanel type with ground glass stoppers and elegant upright lancy boxes to fit. Suitable for high-class perfumers packing own perfumes. Sizes $\frac{1}{2}$ -oz., 1-oz. and 2-oz. Manufacturers surplus to clear below cost. Particulars, Box 6/308.

WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

MANUFACTURER desires supplies of glycerine to augment allocation. Offers to Box A/2.

REQUIRED: Rotary tablet press. Stokes R.D.3., good condition. Other models considered. Box A/167.

MISCELLANEOUS SALE

36 words 17/6 (minimum) then 4d. per word

CELLOPHANE PRINTED BAGS, 8 in. x 4 in. block bottom, moisture proof. 10/- formerly cost 40/- per 1,000. 700,000 8 in. printed golden dawn, 3/- per 1,000. 15 available. Must be cleared. Haverson Merthyr.

COMPLETE set of chemist's fittings for disposal in extensive pharmacy in West. Must be moved within the next three weeks. Upright display cases, counter scales, dispensing screen, shop rounds, etc. Full particulars from Orridge & 77 High Street, Shirley, Southampton.

FOR SALE. 42 gross ointment pots, 2-cap. What offers? 70 gross cream pot flat, screw cap. What offers? 40 gross "tone" leg tan, attractively packed, at gross. 130 doz. Kleeman bakelite soap 5/6 dozen. All delivered carriage paid, small quantities. Samples available on Apply Box 6/331.

PHARMACEUTICAL CHEMICALS. Government plus supplies in bulk and bottled quantities stocks available will be sent upon application. Walter, Johns & Co., 22 Stuart Cres., N.W.10.

SACCHARIN without middlemen's profits. 2 gr. 550 saccharin, splendid th. pack. 100 tablets each envelope 57/- g. free. No minimum quantity. C.W.O. ten 55/-.. Laboratories, 9 Sunny Bank, P.O. Middlesex Wholesalers enquiries invited.

SACCHARIN TABLETS: 550 0.2 gr. packets envelopes boxed in gross boxes. 5 gr. 10 gross, 56/-.. C.O.D. or cheque with Postage paid. Sample sent on request. K. 23 St. Kilda's Road, London, N.16.

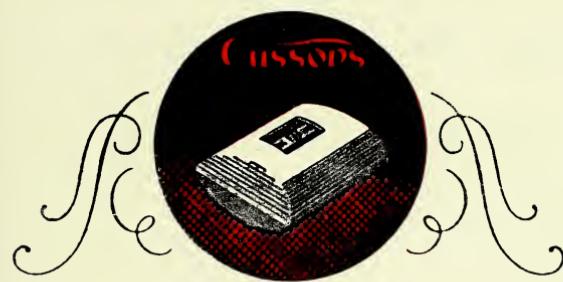
SACCHARIN TABLETS 550 0.2 gr. in p. 100 tablets, boxed in 1 gross lots, 1 to 10 gross, 56/-.. 6 to 10 gross at 56/-.. postage paid. C.W.O. only. Quotas larger quantities by return. Tell Products 22-24 Rosemont Rd., London, N.W.3.

TWO SECONDHAND semi-automatic Sou Smith powder filling machines, complete and worms. 2 electric motors, 25 h.p., 3 phase. 2 wooden benches, 7 ft. by 3 ft. zinc covered; thoroughly overhauled and condition. Can be viewed by appointment. Williams, Co., Ltd., Aintree Rd., Perivale, Middx. Phone Perivale 4204.

VACUUM FLASK. Deluxe pint approx. body and cups, assorted colours. The white, extra large, hold $\frac{1}{2}$ pint approx. Are fully guaranteed to retain heat and against breakages in transit. Retail at 8/- in 50's, 6/6 each, plus 10/- for carriage, tea chest, England, Ireland, Scotland, Channel Islands. Free deliveries in London with order. Kale Bros., 23 St. Kilda, London, N.16.

STOCKTAKING

QUIET AND ACCURATE workmanship, years' practical experience. Detailed information supplied to suit your individual requirements. Own stock sheets priced. Terms moderate. Playfoot, 8 Aylward Rd., London, S.W.20. Liberty 4104.



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The Imperial Leather Toilet Soap made by Cussons has a consistent record of success. The steadily expanding market for this product indicates a widespread appreciation of really fine hand-finished Toilet Soap.



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JUNE 4, 1949

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